

Parts Manual



Our energy working for you.™

Generator Set

DGAB (Spec F)
DGAC (Spec F)
DGAD (Spec F)
DGAE (Spec C)
DL4 (Spec C-F)
DL6 (Spec C-F)
DL6T (Spec A-C)
A41 (Spec E)
A61 (Spec E)
AT61 (Spec B)

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

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Introduction

This parts manual applies to the standard generator sets as listed below. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. All references in the parts description or page heading that pertain to specification letter differences for replacement parts are for the model listed on the identification label affixed to the generator set control. Throughout this manual left (non-accessory) and right (accessory) sides are determined by facing the rear or generator end of the set.

Generator Set Data Table

CUMMINS/ONAN MODEL IDENTIFICATION	ONAN MODEL IDENTIFICATION	CUMMINS MODEL IDENTIFICATION	RATING
16.0 DGAB/#@	16.ODL4-*/#@	16A41-*/#@	16,000 WATTS
20.0 DGAB/#@	20.ODL4-*/#@	20A41-*/#@	20,000 WATTS
20.0 DGAC/#@	20.ODL6-*/#@	20A61-*/#@	20,000 WATTS
25.0 DGAC/#@	25.ODL6-*/#@	25A61-*/#@	25,000 WATTS
25.0 DGAD/#@	25.ODL6-*/#@	25A61-*/#@	25,000 WATTS
30.0 DGAD/#@	30.ODL6-*/#@	30A61-*/#@	30,000 WATTS
32.0 DGAE/#@	32.ODL6T-*/#@	32AT61-*/#@	32,000 WATTS
40.0 DGAE/#@	40.ODL6T-*/#@	40AT61-*/#@	40,000 WATTS

Electrical Data Table

*VOLTAGE CODES	VOLTS	HERTZ	WIRE	PHASE	NOTES
(3AR)	100/200	60	4	1	
B (3R)	120/240	60	4	1	
(7R)	220/380	60	4	3	
(15R)	120/240	60	4	1	
L (15R)	120/208	60	12	3	
	120/240				
	127/220				
	139/240				
	240/416				
	254/440				
	277/480				
(53R)	120/240	50	4	1	
(515R)	110/190	50	12	3	+
	110/220				
	115/200				
	115/230				
	120/208				
	127/220				
	220/380				
	230/400				
	240/416				
	254/440				

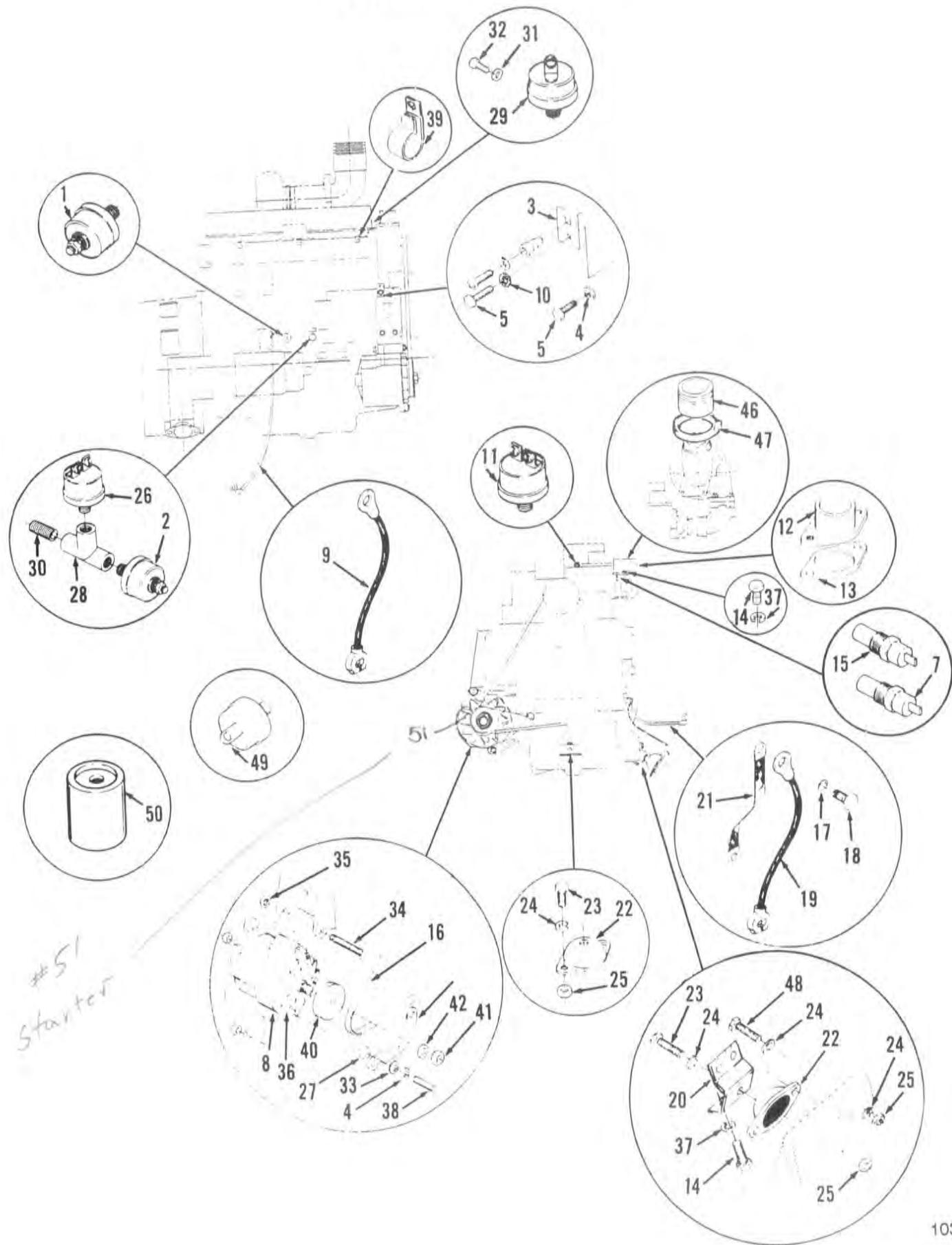
* - Voltage codes are not used on current Cummins brand generator sets. On the older Onan and Cummins generator sets the voltage codes follow model letter designations. A letter was used in the model to indicate the voltage codes. This replaced the corresponding number and letter designations (in brackets) as listed in the Electrical Data Table column. (Example: 20.0 DL4-L/ was formerly 20.0 DL4-15R/).

- Specification number: Number 1 is standard, all others indicate variations.

@ - Specification letter: Letter advances (C to D, D to E, etc.) with major manufacturing changes.

+ - These generators are reconnectable, refer to Operator's Manual for wiring data.

External Engine Parts



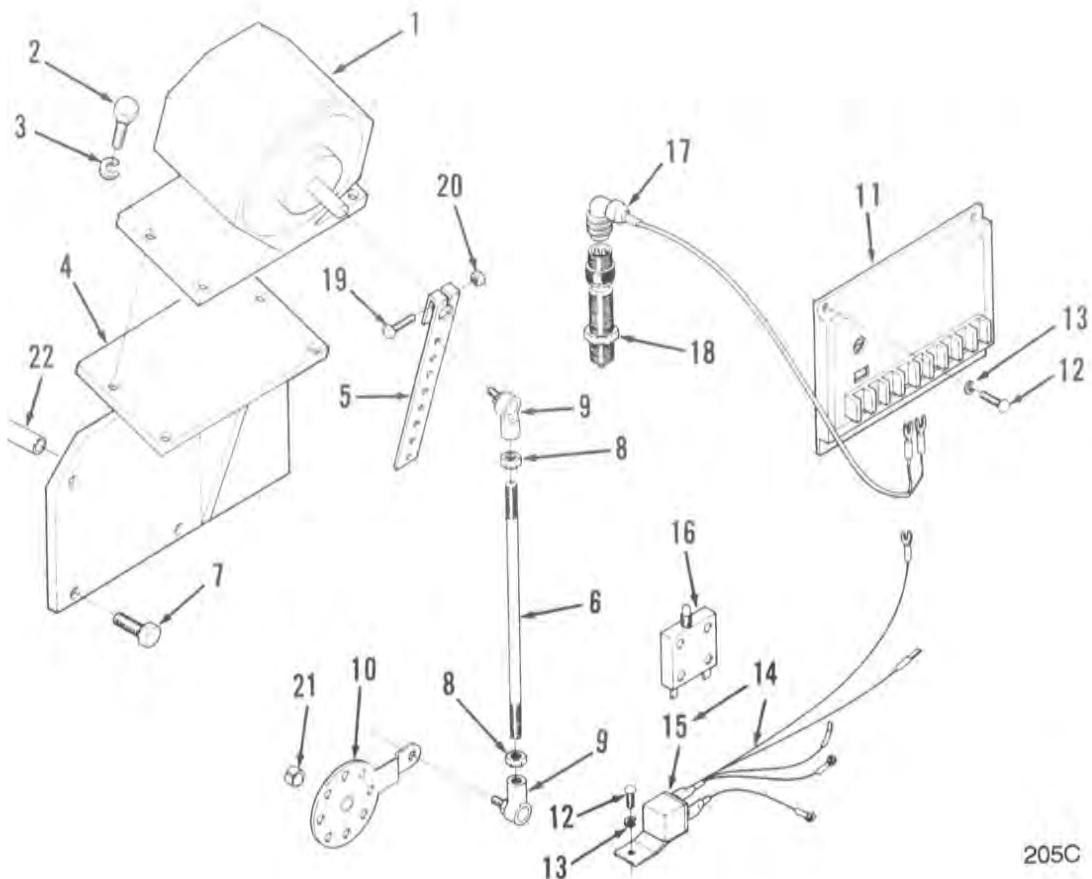
External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0244	1	Sender, Pressure - Oil	34	718-1067	1	Screw, Hex Head - Cap (M10 x 1.5 x 90)
2	309-0169	1	Switch, Pressure - Low Oil	35	860-2009	1	Nut, Hex (M10 x 1.5)
	DL4, DL6 - Spec C - D			36			Fan, Alternator
309-0169	1	DL6T - Spec A		191-1981	1	DL4, DL6, - Begin Spec F	
309-0561	1	DL4, DL6 - Begin Spec E		191-1981	1	DL6T - Begin Spec C	
309-0561	1	DL6T - Begin Spec B		191-1981	1	DGAB, DGAC, DGAD, DGAE	
309-0561	1	DGAB, DGAC, DGAD, DGAE,		191-1981	1	A41, A61, AT61	
				37	850-2012	10	Washer, Spring - Lock (M12)
3			Bracket, Assembly - Terminal	38	800-2060	1	Screw, Hex Head - Cap (M8 x 1.25 x 35)
	332-1292	1	DL4, DL6 - Begin Spec F	39			Clamp, J
	332-1292	1	DL6T - Begin Spec C	332-2634	3	DL4, DL6 - Begin Spec F	
332-1292	1	DGAB, DGAC, DGAD, DGAE		332-2634	3	DL6T - Begin Spec C	
4	850-2008	5	Washer, Lock (M8)	332-2634	3	DGAB, DGAC, DGAD, DGAE	
	850-2008	5	DL4, DL6 - Begin Spec F	40			Pulley, Alternator
	850-2008	5	DL6T - Begin Spec C	191-1339	1	DL4, DL6 - Spec C - E	
5			DGAB, DGAC, DGAD, DGAE	191-1339	1	DL6T - Spec A - B	
	Screw - Hex Head -			191-1339	1	A41, A61, AT61	
	Cap - (M8 x 1.25 x 25)			191-1339	1	DL4, DL6 - Begin Spec F	
	800-2058	4	DL4, DL6 - Begin Spec F	191-2032	1	DL6T - Begin Spec C	
	800-2058	4	DL6T - Begin Spec C	191-2032	1	DGAB, DGAC, DGAD, DGAE	
	800-2058	4	DGAB, DGAC, DGAD, DGAE	191-2032	1		
6	191-1321	1	Spacer, Bracket - Alternator	41			Nut - Hex (M16)
7	309-0436	1	Switch, Temperature -	870-2161	1	DL4, DL6 - Begin Spec F	
	Pre-High Engine			870-2161	1	DL6T - Begin Spec C	
8			Alternator	870-2161	1	DGAB, DGAC, DGAD, DGAE	
	191-1525	1	DL4, DL6, A41, A61 -	42			Washer, Spring (M16) - Lock
			Spec C - E (Motorola)	851-0039	1	DL4, DL6 - Begin Spec F	
	191-1525	1	DL6T, AT61 - Spec A - B	851-0039	1	DL6T - Begin Spec C	
	(Motorola)			851-0039	1	DGAB, DGAC, DGAD, DGAE	
	191-1983-01	1	DL4, DL6 - Begin Spec F	43			Nut, Hex
			(Bosch)	860-2009	1	DL4, DL6 - Spec C - E	
	191-1983-01	1	DL6T - Begin Spec C (Bosch)	860-2009	1	DL6T - Spec A - B	
	191-1983-01	1	DGAB, DGAC, DGAD, DGAE	860-2009	1	A41, A61, AT61	
			(Bosch)	860-2008	1	DL4, DL6 - Begin Spec F	
9	416-0618	1	Cable, Positive - Battery	860-2008	1	DL6T - Begin Spec C	
10	856-0010	1	Washer, EIT - Lock	860-2008	1	DGAB, DGAC, DGAD, DGAE	
11	193-0318	1	Sender, Temperature - Water	44			Washer, Spring - Lock
12			Flange, Exhaust	740-1008	2	DL4, DL6 - Spec C - E	
	155-1916	1	DL4, DL6, DGAB, DGAC, DGAD,	740-1008	2	DL6T - Spec A - B	
			DGAE, A41, A61, AT61	740-1008	2	A41, A61, AT61	
	155-1916	1	DL6T - Begin Spec B	850-2005	2	DL4, DL6 - Begin Spec F	
13	155-2515	1	Gasket, Flange - Exhaust	850-2005	2	DL6T - Begin Spec C	
			DL4, DL6, DGAB, DGAC, DGAD,	850-2005	2	DGAB, DGAC, DGAD, DGAE	
			DGAE, A41, A61, AT61	45			Nut, Hex
	155-2515	1	DL6T - Begin Spec B	860-2009	2	DL4, DL6 - Spec C - E	
14	720-1072	10	Screw, Hex Head - Cap	860-2009	2	DL6T - Spec A - B	
			(M12 x 1.76 x 20)	860-2009	2	A41, A61, AT61	
15	309-0437	1	Switch, Temperature -	860-2006	2	DL4, D16 - Begin Spec F	
	High Engine			860-2006	2	DL6T - Begin Spec C	
16	511-0147-13	1	Belt - Alternator	860-2006	2	DGAB, DGAC, DGAD, DGAE	
17	853-2012	2	Washer, Lock - ET (M12)	46	127-0132	1	Tube, Exhaust -
18	800-2110	2	Screw, Hex Head - Cap				DL6T, AT61, DGAE
			(M12 x 1.75 x 20)	47			Clamp
19	416-0530	1	Cable, Negative - Battery	503-0965	1	DL4, DL6 - Spec C - E	
20	403-1929	2	Mount, Engine	503-0965	1	DL6T - Spec A - B	
21	337-0090	1	Strap, Ground - Electrical	503-0965	1	A41, A61, AT61	
22	402-0466	3	Cushion, Mount	503-0998	1	DL4, DL6 - Begin Spec F	
23	800-0090	3	Screw, Cap, Hex Head	503-0998	1	DL6T - Begin Spec C	
			($\frac{1}{2}$ -13 x 1")	503-0998	1	DGAB, DGAC, DGAD, DGAE	
24	850-0060	3	Washer, Spring ($\frac{1}{2}$ ") - Lock	48	800-0091	2	Screw, Hex Head -
25	862-0016	3	Nut, Hex ($\frac{1}{2}$ -13)				Cap ($\frac{1}{2}$ -13 x $\frac{1}{4}$)
26	309-0272	1	Switch, Pressure -	49			Sender, Temperature - Oil
			Pre-Low Oil	193-0353	1	DL4, DL6 - Spec C - E	
27	191-1541	1	Spacer, Strap - Alternator	193-0353	1	DL6T - Spec A - B	
28	505-0059	1	Tee, Pipe (1/8)	193-0353	1	A41, A61, AT61	
29	309-0269	1	Switch, Temperature -	193-0388	1	DL4, DL6 - Begin Spec F	
	Low Engine			193-0388	1	DL6T - Begin Spec C	
30	505-0098	1	Nipple, Pipe (1/8" x 3/4")	193-0388	1	DGAB, DGAC, DGAD, DGAE	
31	740-1008	1	Washer, Flat (M10)	50			Filter, Oil
32	800-2085	1	Screw, Hex Head -				With Built in Pressure Relief
			Cap (M10 x 1.5 x 20)	5.24" 122-0550	1		Without Built in Pressure
33	526-2106	1	Washer, Flat (M8)	6.98" 122-0712	1		Relief

51 191-1959

STARTER

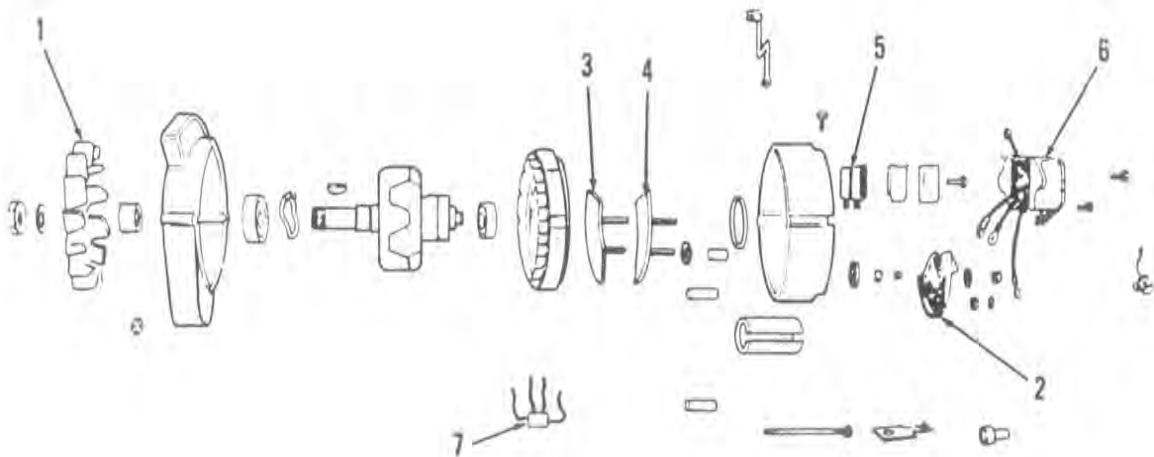
Electronic Governor



205C

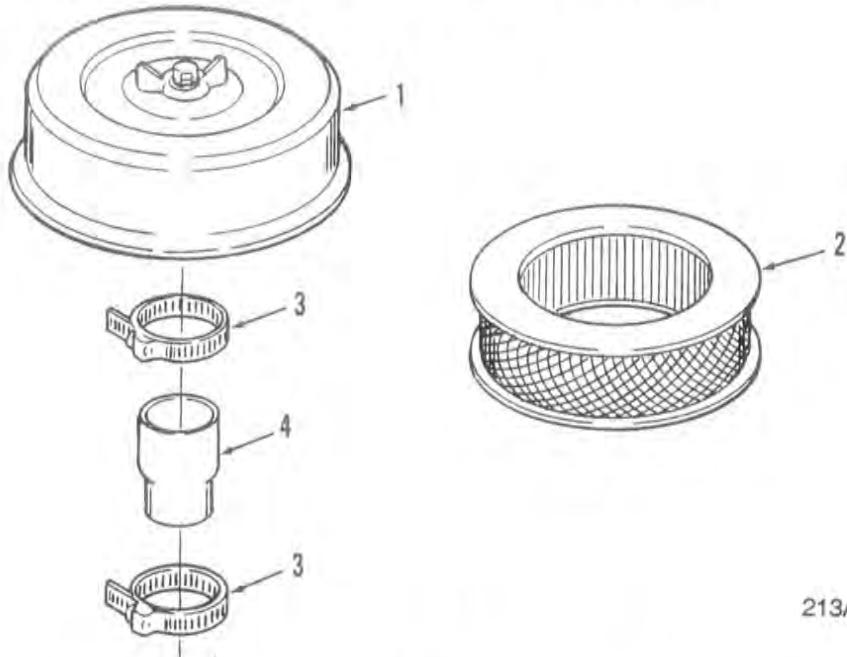
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0566	1	Actuator, Governor	12	813-0103	5	Screw, Machine - Round Head (#10-32 x 3/4")
2	800-0006	4	Screw, Cap - Hex Head (1/4-20 x 7/8")	13	850-0030	5	Washer, Lock - Spring (#10)
3	850-0040	4	Washer, Lock - Spring (1/4")	14	338-1705	1	Harness, Wiring - (Includes Relay)
4	150-1996	1	Bracket, Mounting	15	307-1886	1	Relay
5	151-0567	1	Arm, Governor (Includes Screw and Nut)	16	320-0540	1	Breaker, Circuit 15 Amp (CB13) Includes Mounting Nuts
6	150-1923	1	Rod, Governor Control	17	338-1765-04	1	Cable, Magnetic Pickup
7	800-2071	4	Screw, Cap - Hex Head (M8 x 90 mm)	18	151-0603-02	1	Sensor, Magnetic Speed
8	870-0131	2	Nut, Hex - with ET (#10-32)	19	800-0007	1	Screw, Cap - Hex Head (1/4-20 x 1")
9	150-0939	2	Joint, Ball	20	870-0065	1	Nut, Self - Locking (1/4-20)
10	151-0437	1	Kit, Throttle Modification (Fuel Injection Pump)	21	147-0779	1	Sleeve, Throttle - Stop
11	151-0565	1	Control, Governor (A12) (Includes Jumper)	22	130-1107	2	Spacer

Alternator Components
 DL4, DL6 (Spec C-E), DL6T (Spec A-B),
 A41, A61 (Spec E), AT61 (Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1525	1	Alternator (Complete) Used Beginning on Late Spec C Models - Has No Isolation Diodes on Back Side of Alternator (Replaces Early Spec C Models with Isolation Diode Assembly on Back Side of Alternator)	5			Brush Assembly Spec C
	191-0943	1	Fan. Alternator	191-0659		1	Used on Early Spec C Models with Isolation Diode Assembly
2	191-1454	1	Diode Assembly, Isolation - Used on Early Spec C Models	191-1558		1	Used on Late Spec C Models without Isolation Diode Assembly)
3			Diode, Rectifier - Negative Spec C	191-1457		1	Begin Spec D
	191-1453	1	Used on Early Spec C Model with Isolation Diode Assembly	191-1557		1	Regulator, Voltage Spec C
	191-1560	1	Used on Late Spec C Models without Isolation Diode Assembly	191-1557		1	Used on Early Spec C Models with Isolation Diode Assembly
	191-1560	1	Begin Spec D	7	191-1556	1	Used on Late Spec C Models without Isolation Diode Assembly
4			Diode, Rectifier - Positive Spec C				Begin Spec D
	191-1452	1	Used on early Spec C Models with isolation Diode Assembly				Diode, Trio - Used Beginning on Late Spec C Models without Isolation Diode Assembly
	191-1559	1	Used on Late Spec C Models without Isolation Diode Assembly				
	191-1559	1	Begin Spec D				

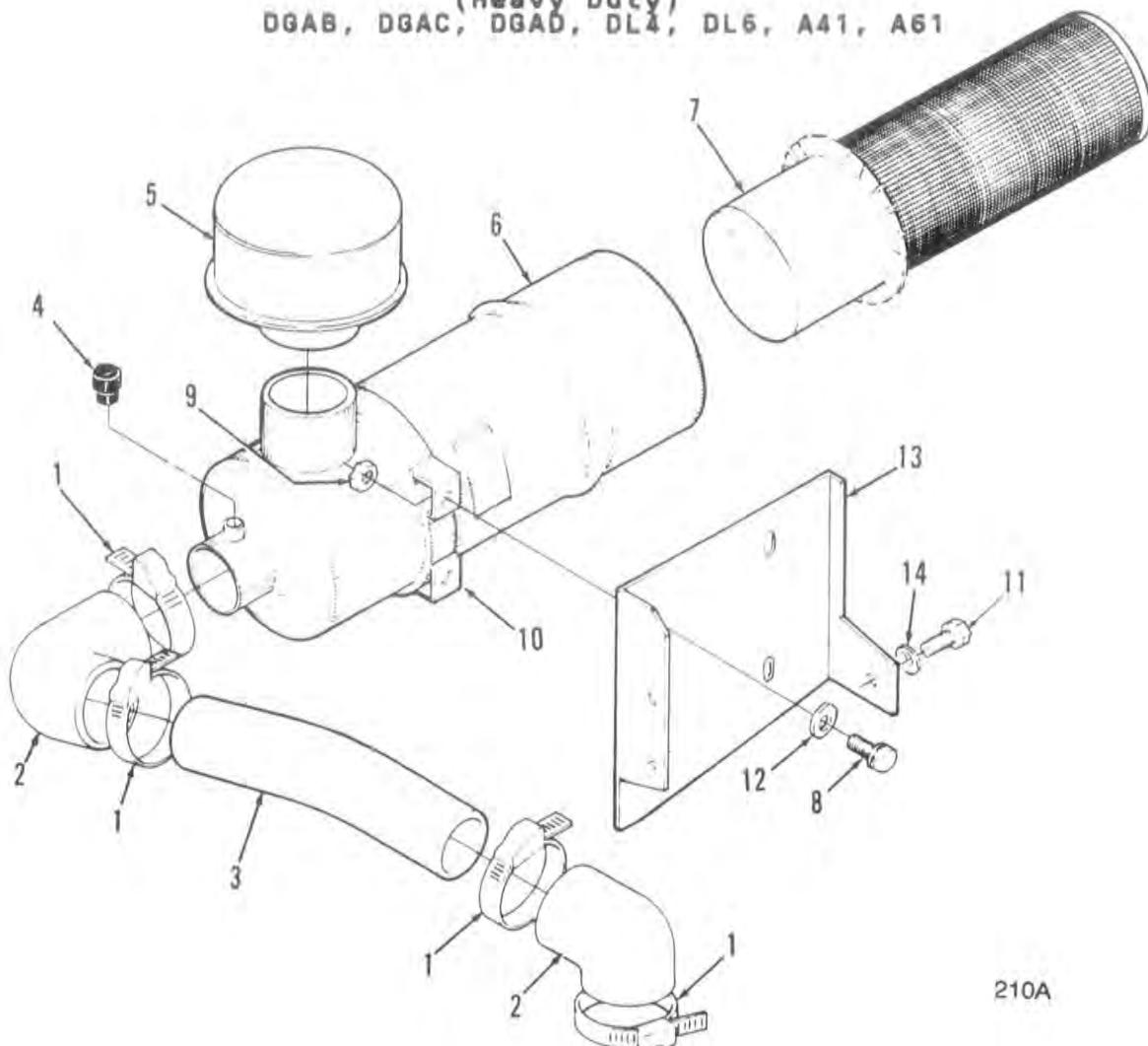
Air Cleaner
 (Standard)
 DGAB, DGAC, DGAD, DL4, DL6, A41, A61



213A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-1091	1	Cleaner Assembly, Air (Includes Element)	3	503-0648	2	Clamp, Hose
2	140-1089	1	Element	4	503-1181	1	Hose, Reducing

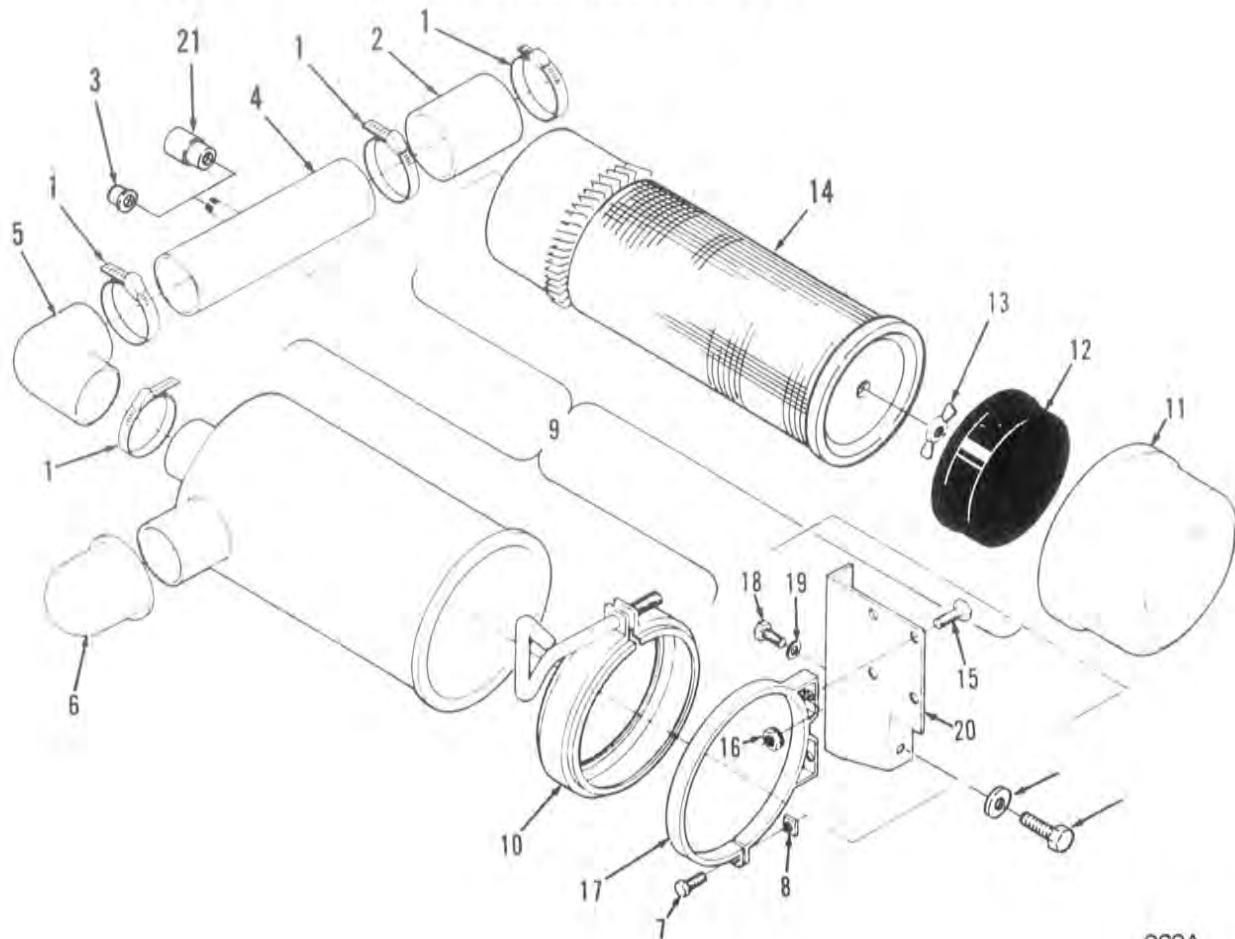
**Air Cleaner
(Heavy Duty)**
DGAB, DGAC, DGAD, DL4, DL6, A41, A61



210A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0354	4	Clamp, Hose	8	718-1034	4	Screw, Cap - Hex Head (M8 x 18 mm)
2	503-1222	2	Elbow, 90°	9	750-1006	4	Nut, Hex (M8)
3			Tube, Intake	10	140-0722	2	Band, Mounting
	140-1844	1	DGAB, DL4, A41	11	718-1073	1	Screw, Cap - Hex Head (M12 x 25 mm)
	140-1845	1	DGAC, DGAD, DL6, A61	12	740-1006	4	Washer, Flat (M8)
4	140-1791	1	Indicator, Service	13	140-1847	1	Bracket, Mounting
5	140-1787	1	Hood, Air Cleaner	14	740-1010	1	Washer, Flat (M12)
6	140-1841	1	Cleaner, Air (Includes Element)				
7	140-1851	1	Element				

Air Cleaner
DGAE, DL6T, AT61

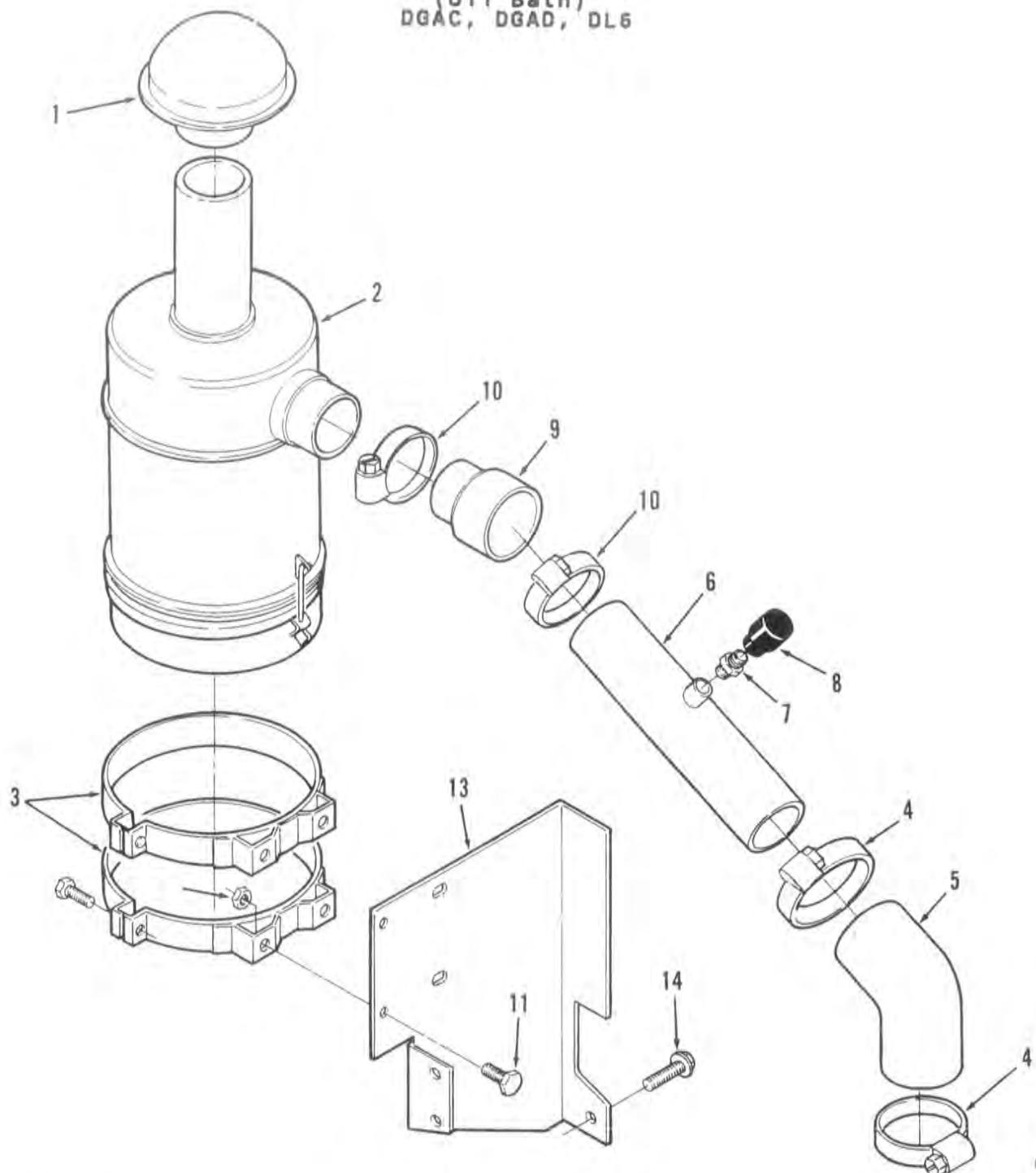


269A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	4	Clamp, Hose	15	821-0014	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
2	503-0482	1	Hose, Rubber	16	870-0257	4	Nut, Lock - Hex Washer Head (5/16-18)
3	505-0001	1	Cap, Pipe (1/8")	17	140-0078	2	Band, Mounting
4	140-1871	1	Tube, Air Inlet	18	718-1073	1	Screw, Cap - Hex Head (M12 x 25 mm)
5	140-1864	1	Elbow, Rubber	19	740-1010	1	Washer, Flat (M12)
6	140-1787	1	Cap, Air Cleaner	20	140-1868	1	Bracket, Mounting
7	815-0115	2	Screw, Machine - Fillister Head (1/4-20 x 1")	21	140-0961	1	Indicator, Service
8	863-0002	2	Nut, Square (1/4-20)	22	740-1008	2	Washer, Flat (M10)
9	140-1786	1	Cleaner Assembly, Air (Includes Parts Marked *)	23	718-1053	2	Screw, Cap - Hex Head (M10 x 20 mm)
10	140-1437	1	*Clamp, Air Cleaner				
11	140-1438	1	*Cap, Air Cleaner				
12	140-1439	1	*Baffle, Air Cleaner				
13	140-1436	1	*Nut Assembly, Wing				
14	140-1204	1	*Element, Air Cleaner				

* - Parts Included in 140-1786 Air Cleaner Assembly

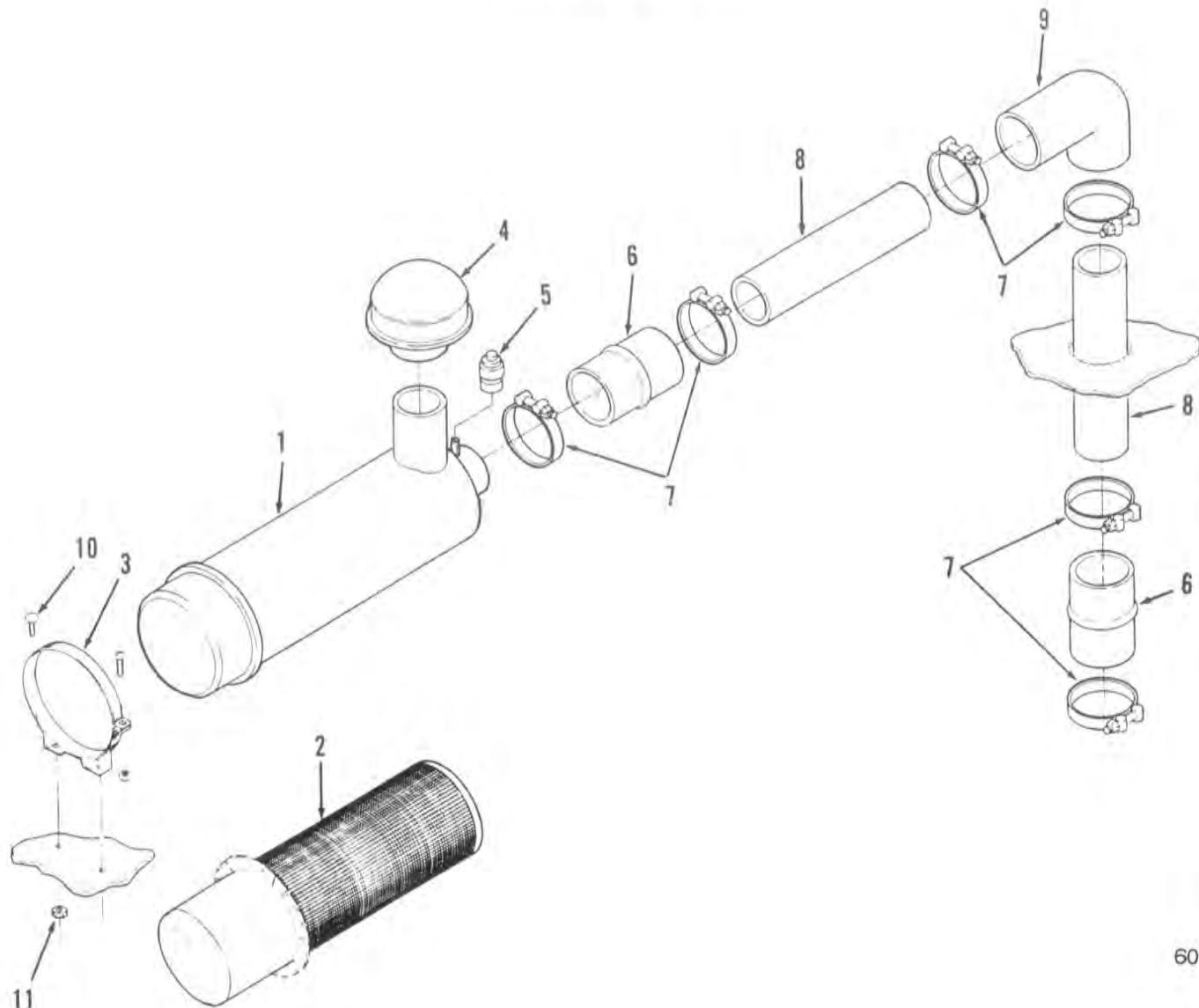
Air Cleaner
(Oil Bath)
DGAC, DGAD, DL6



604B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-1559	1	Hood	10	503-0465	2	Clamp
2	140-2174	1	Cleaner, Air - Oil Bath	11	821-0014	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
3	140-2233	2	Band, Mounting	12	870-0257	4	Nut, Locking - Hex Head (5/16-18)
4	503-1143	2	Clamp	13	140-2235	1	Bracket, Mounting
5	503-1084	1	Elbow, Reducer	14	821-2076	1	Screw, Self-Locking - Hex Washer Head (M12 x 25 mm)
6	140-2234	1	Tube, Air Inlet				
7	140-1260	1	Fitting, Service Indicator				
8	140-1791	1	Indicator, Service				
9	503-1074	1	Hose, Reducer				

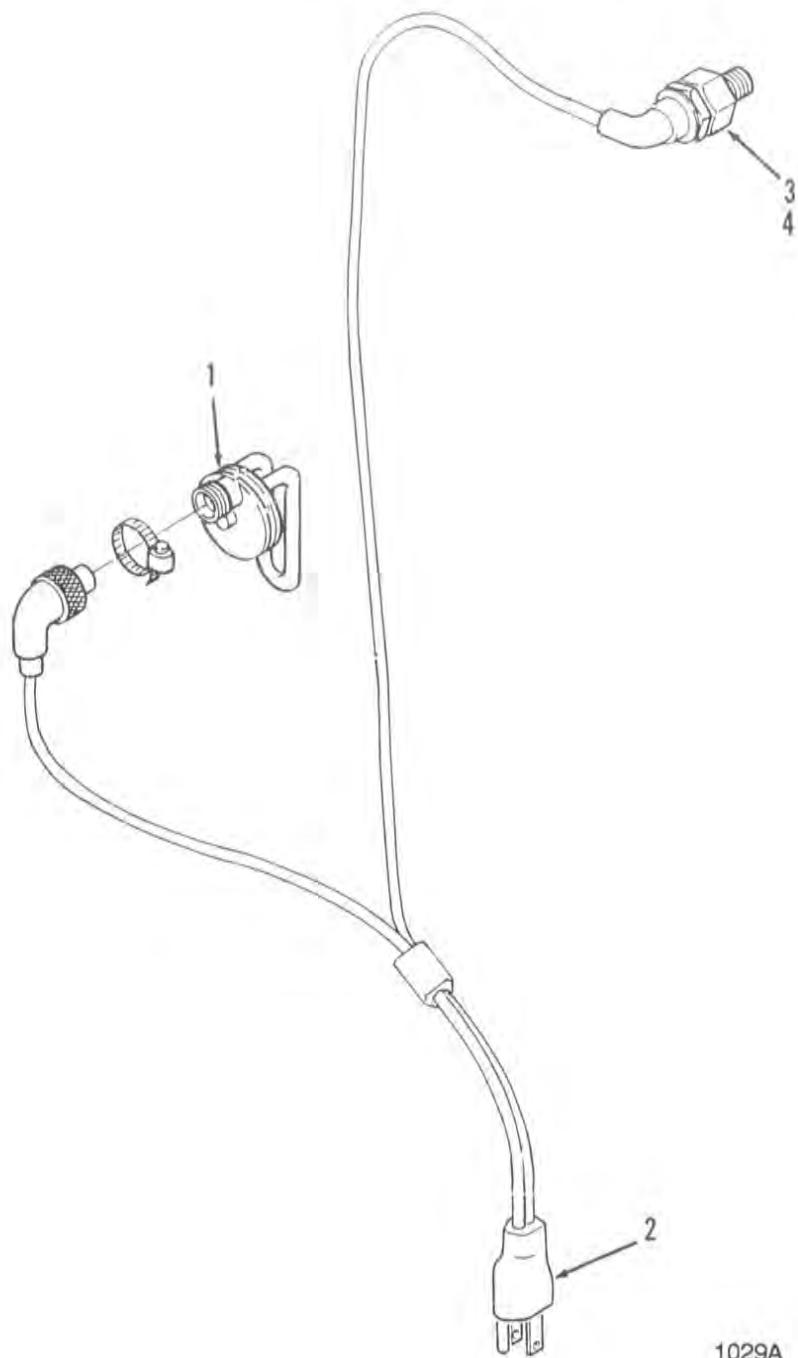
Air Cleaner
(Housed Sets)
DGAC, DGAD, DL6



603C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-1841	1	Cleaner, Air (Includes Element)	7	503-0867	6	Clamp, T-Bolt
2	140-1851	1	Element	8	140-2267	2	Tube, Air Inlet
3	140-0722	2	Band, Mounting	9	503-1222	1	Elbow
4	140-1787	1	Hood, Air Cleaner	10	821-0016	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")
5	140-1791	1	Indicator, Service	11	870-0257	4	Nut, Locking - Hex Head (5/16-18)
6	503-0625	2	Hose (2-1/2" ID x 4-1/2")				

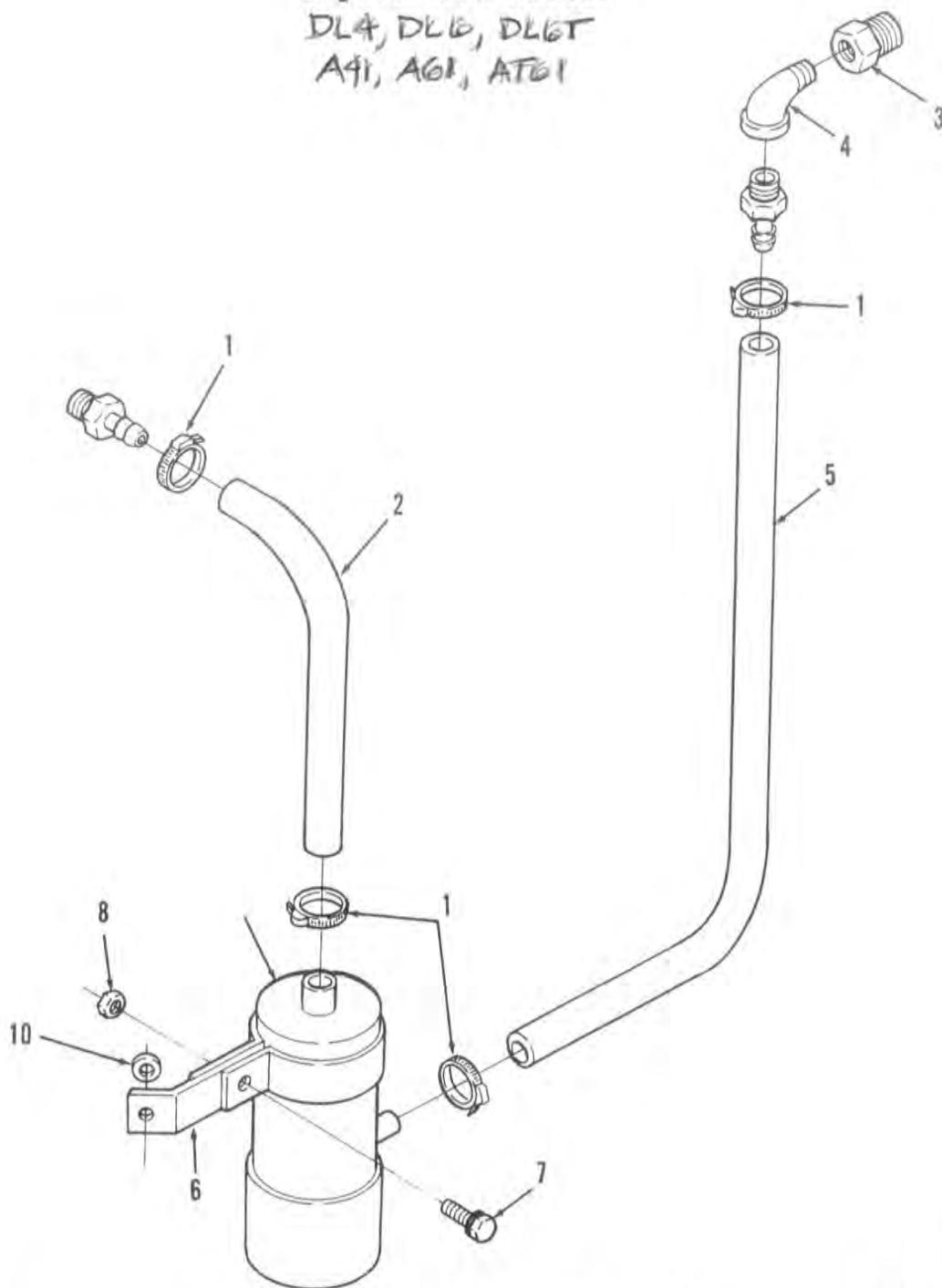
COOLANT HEATER
DGAB, DGAC, DGAD, DGAE



1029A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0473	1	Heater, Engine (1000 Watt)	3	333-0477	1	Well, Thermostat
	333-0474	1	120 Volt	4	333-0478	1	Thermostat, Engine Heater
2	333-0475	1	240 Volt				
	333-0476	1	Cord, Engine Heater				
		1	120 Volt				
		1	240 Volt				

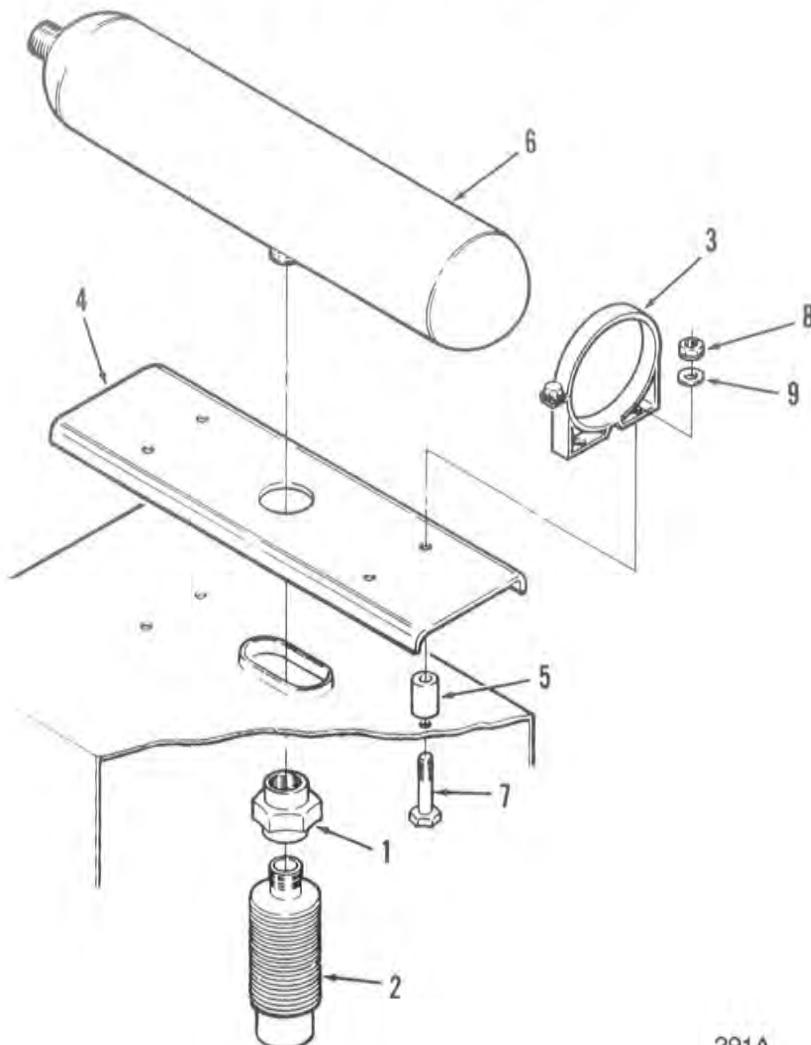
Engine Tank Heater
DL4, DL6, DL6T
A41, A61, AT61



872A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0183	4	Clamp, Hose (5/8") Hose, Flex (5/8")	9	333-0244-00	1	Heater, Engine 850 Watt, 120 Volt - DGAB, DL4, A41
2	503-1429-02	1	DGAB, DL4, A41		333-0244-02	1	1000 Watt, 240 Volt - DGAB, DL4, A41
	503-1429-01	1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61		333-0244-01	1	1500 Watt, 120 Volt - DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
3	505-0020	1	Bushing, Reducer (3/4 x 1/4")		333-0244-03	1	1500 Watt, 230 Volt - DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
4	505-0011	1	Elbow, Street (1/4 NPT)				
5	503-1429-05	1	Hose, Flex (5/8" x 36")				
6	130-0755	1	Bracket, Mounting				
7	821-0016	1	Screw, Self-Locking - Hex Washer Head (5/6-18 x 3/4")				
8	870-0257	1	Nut, Self-Locking - Hex Washer Head (5/16-18)	10	856-0006	1	Washer, EIT (1/4")

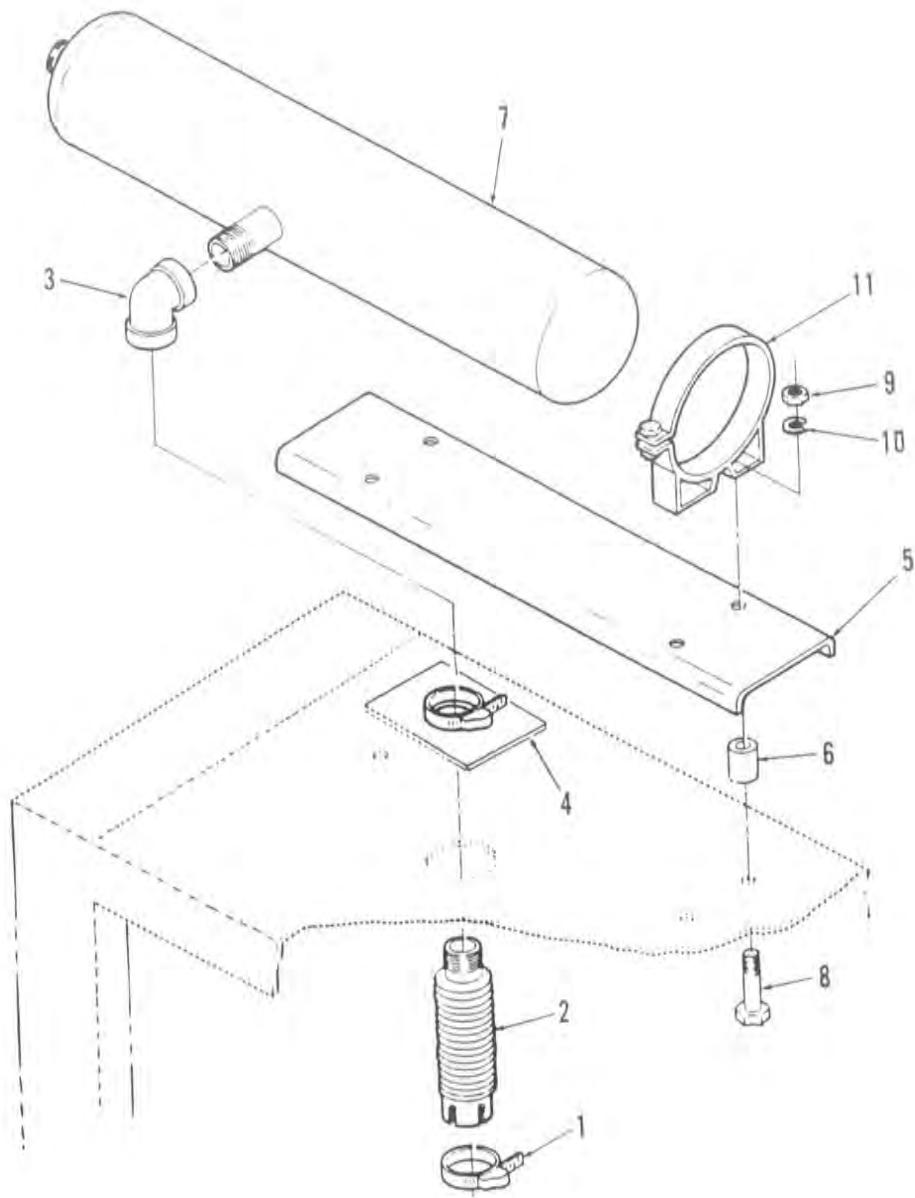
**Muffler
(Housed Set)**
DGAB, DGAC, DGAD, DL4, DL6, A41, A61



291A

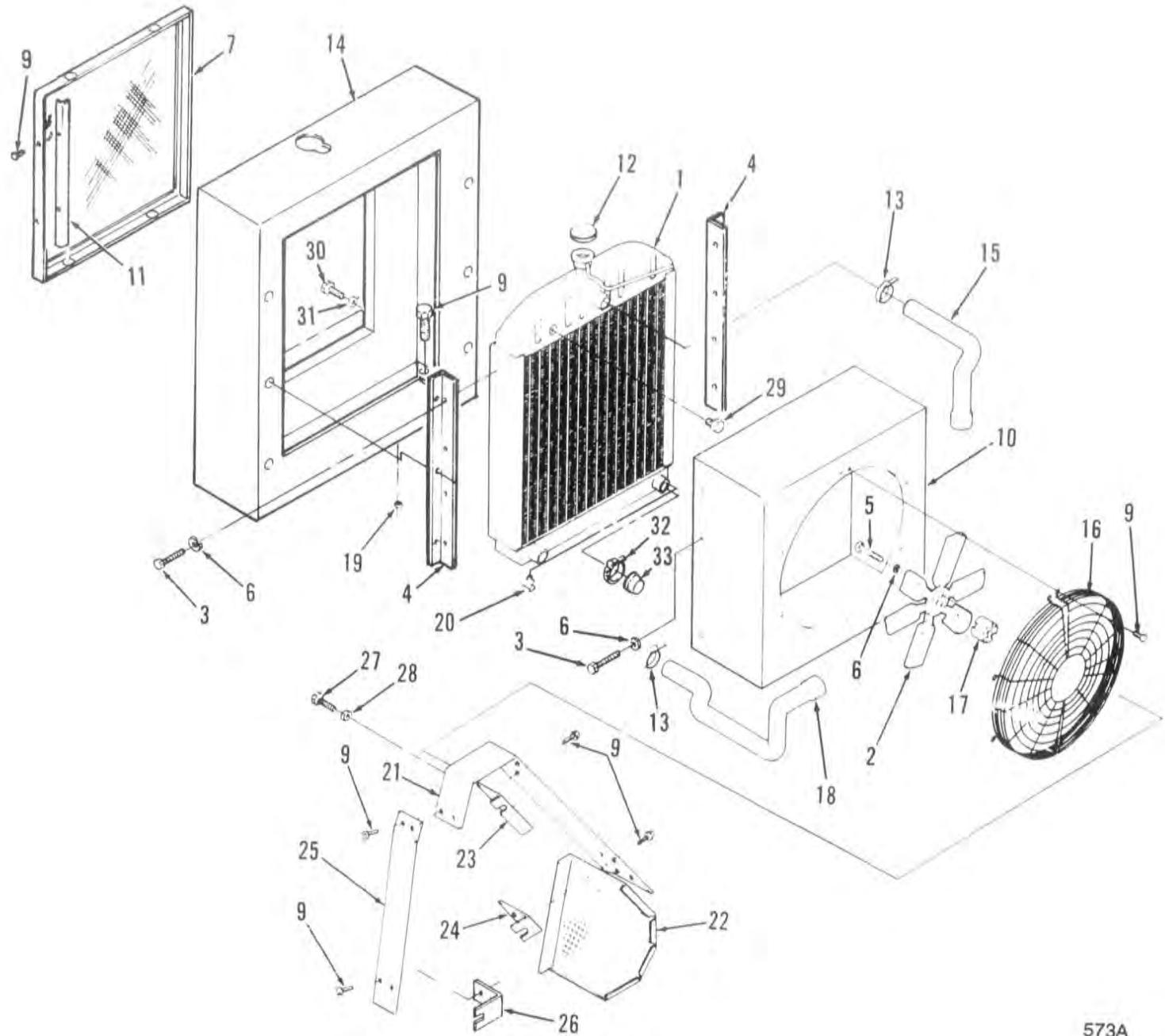
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0454	1	Union, Pipe (2" NPT)	7	800-0036	6	Screw, Cap - Hex Head (5/16-18 x 2-3/4")
2	155-1936	1	Tube, Exhaust - Flexible	8	870-0257	4	Nut, Self-Locking - Hex Washer Head (5/16-18)
3	140-0752	2	Band, Mounting	9	526-2123	4	Washer, Flat (#10)
4	155-1931	1	Shield, Heat				
5	155-1430	4	Spacer				
6	155-1614	1	Muffler, Exhaust				

Muffler
(Housed Set)
DGAE, DL6T, AT61



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0998	1	Clamp, Hose	8	800-0036	4	Screw, Cap - Hex Head (5/16-18 x 2-3/4")
2	155-1998	1	Tube, Exhaust - Flexible	9	870-0048	4	Nut, hex - Self-Locking (5/16-18)
3	505-0044	1	Elbow, Pipe - 90° (2-1/2")	10	526-2123	4	Washer, Flat (M10)
4	155-2020	1	Shield, Rain	11	140-0649	2	Band, Mounting
5	155-1995	1	Shield, Heat				
6	155-1430	4	Spacer				
7	155-1994	1	Muffler, Exhaust				

Cooling System

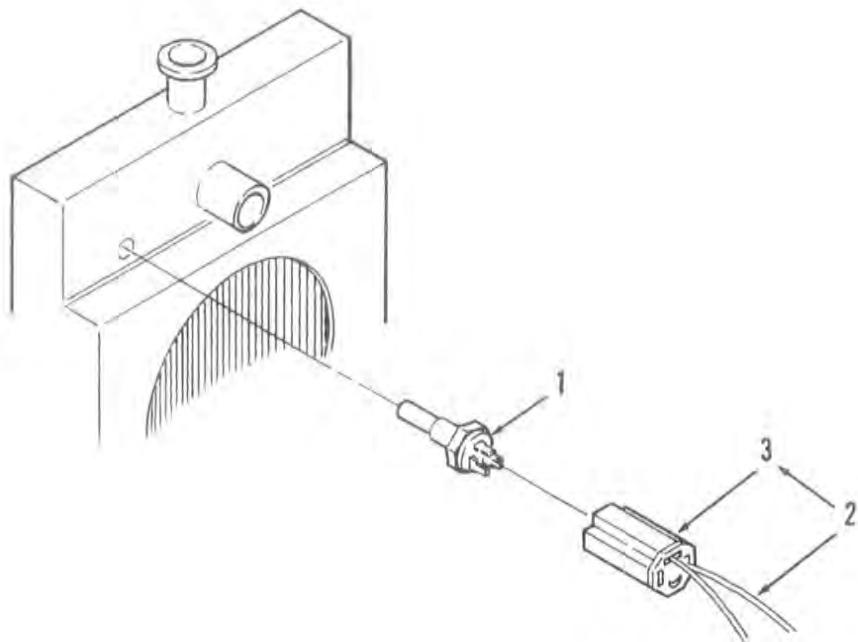


573A

Cooling System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Radiator	15			Hose, Upper - Radiator
	130-1817	1	DGAB, DL4, A41	503-1179		1	DGAB, DL4, A41
	130-1818	1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61	503-1177		1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
2			Fan	16			Guard, Fan
	130-2148	1	DGAB, DL4, A41	130-2159		1	DGAB, DL4, A41
	130-1922	1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61	130-2160		1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
3	718-1032	16	Screw, Cap - Hex Head (M8 x 10)	17	130-1873	1	Spacer, Fan
4			Bracket, Mounting - Radiator	18			Hose, Lower - Radiator
	130-2156	1	DGAB, DL4, A41	503-1178		1	DGAB, DL4, A41
	130-2154	2	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61	503-1070		1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
5	718-1047	4	Screw, Cap - Hex Head (M8 x 75)	19	870-0212	5	Nut, Lock (1/4-20)
6	850-2008	20	Washer, Spring-Lock (M8)	20	504-0003	1	Valve, Drain
7	130-2150	1	Guard, Radiator	21	191-1540	1	Guard, Belt - Alternator
8	130-2155	1	Bracket, Mounting - Radiator	22	191-1539	1	Guard, Belt - Alternator
			DGAB, DL4, A41	23	191-1542	1	Guard, Guard - Belt
9	821-0010	35	Screw, Cap - Hex Head (1/4-20 x 1/2")	24	191-1543	1	Bracket, Guard - Belt
10			Shroud	25	191-1546	1	Guard, Belt - Alternator
	130-2157	1	DGAB, DL4, A41	26	191-1547	1	Bracket, Belt Guard - Alternator
	130-2158	1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61	27	718-1035	1	Screw, Hex Head - Machine (M8 x 16)
11	130-2152	2	Baffler, Radiator - DGAB, DL4, A41	28	526-2100	1	Washer, Flat (M8)
12	130-1928	1	Cap, Pressure	29	502-0153	1	Plug, Hex Head (1/4")
13	503-0365	4	Clamp, Hose	30	800-0003	6	Screw, Hex Head - Cap (1/4-20 x 1/2")
14	405-3809	1	Housing, Front	31	526-0021	6	Washer, Flat (1/4")
				32	503-0429	1	Clamp, Hose
				33	517-0263	1	Cap, Lower Hose Fitting - Radiator

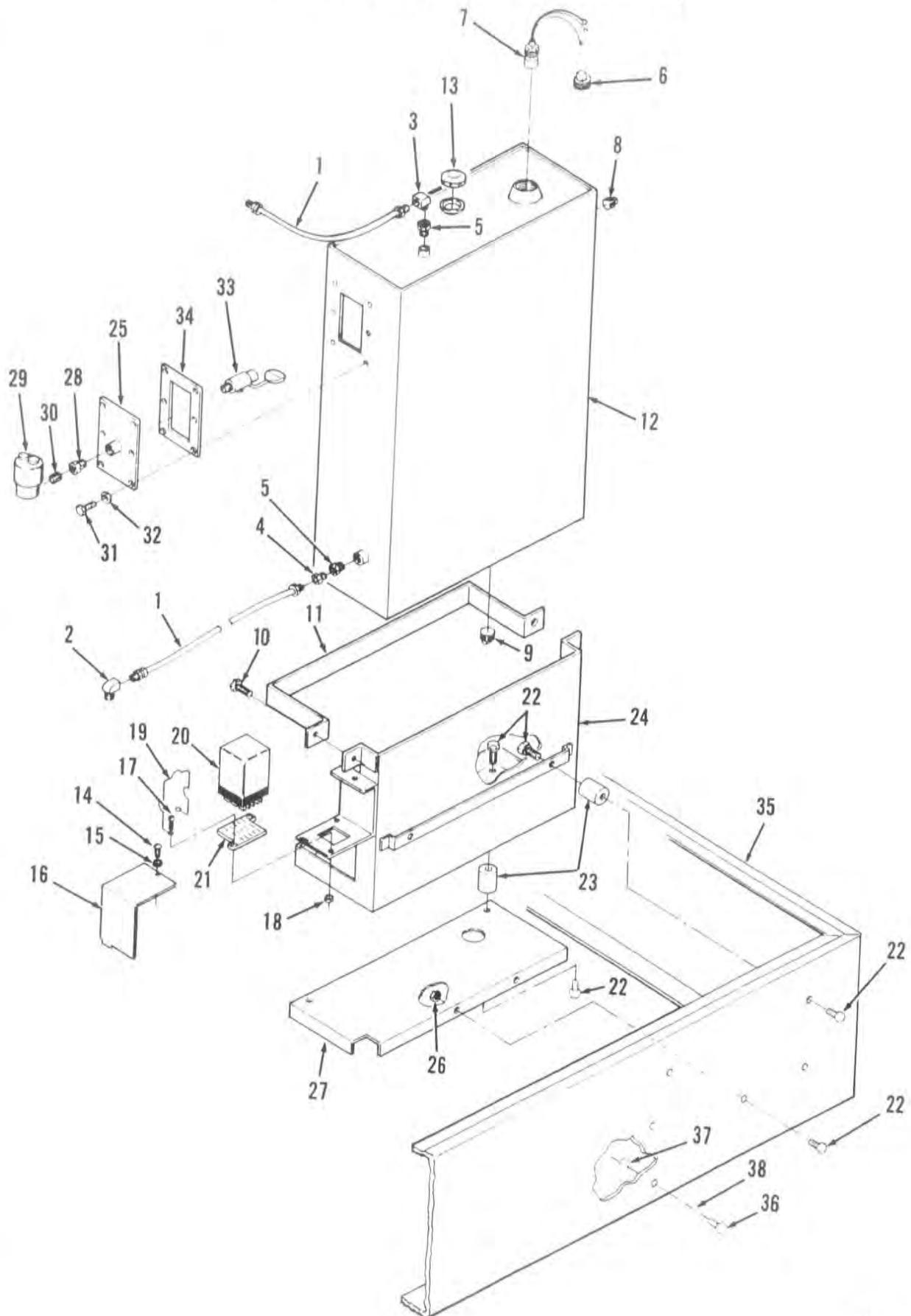
Low Coolant Level Switch



198A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 193-0322	1 193-0434	1 1	Switch - Coolant Level (S7) Standard With 12 Second Delay	2 338-1691	1 3 323-1236	1 1	Harness, Wiring (Includes Housing) Housing, Connector

Day Tank
(Overhead Fuel Supply Application)

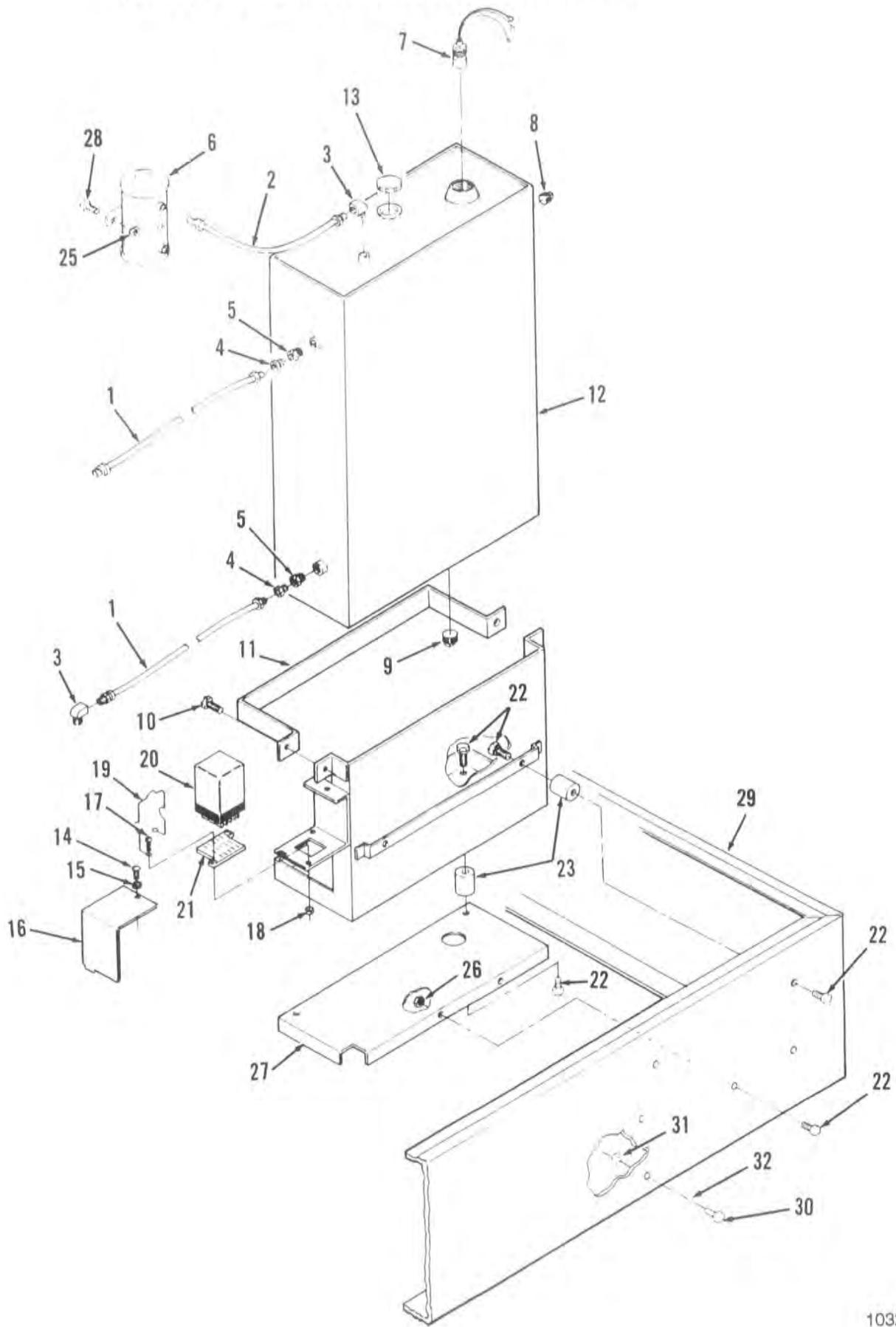


1031A

Day Tank
(Overhead Fuel Supply Application)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0027	2	Line, Fuel - Flexible (1/8 NPT Male x 1/4 SAE Male Swivel x 48" Lg)	19	307-1157	1	Spring, Holdown - Relay
2	502-0041	1	Elbow, Inverted Male - 90° (1/4")	20	307-1058	1	Relay (12 VDC)
3	502-0020	1	Elbow, Pipe - Street, 90° Brass (1/8")	21	323-0765	1	Socket, Relay
4	502-0003	1	Connector, Inverted Male (1/8")	22	821-0014	10	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
5	505-0007	2	Bushing, Reducer - Hex (1/4 NPT Male x 1/8 NPT Female)	23	402-0078	4	Mounting, Vibration
6	505-1050	1	Plug, Switch - Mounting	24	159-1120	1	Bracket, Mounting - Fuel Tank
7	415-0466	1	Switch, Float - Liquid Level	25	415-0516	1	Plate, Cover - Access
8	505-0054	1	Plug, Pipe - Square Head (1/4 NPT)	26	870-0048	2	Nut, Self-locking - Hex Washer Head (5/16-18)
9	505-0110	1	Plug, Pipe - Square Head (3/8 NPT)	27	159-1122	1	Plate, Support - Fuel Tank
10	821-0013	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 1")	28	505-0016	1	Bushing, Reducer (3/8" to 1/8")
11	415-0451	1	Strap, Retaining - Tank	29	307-0565	1	Solenoid - 12 VDC
12	415-0543	1	Tank, Fuel - Day (Includes Cap) (3-1/2 Gallons)	30	505-0098	1	Nipple, Pipe - Close (1/8" NPT x 3/4")
13	159-0007	1	Cap - Fuel Tank	31	800-0002	6	Screw, Cap - Hex Head (1/4-20 x 3/8")
14	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8")	32	526-0063	6	Washer, Flat - Copper (17/64" ID x 7/16 OD x 1/32" Thk)
15	850-0030	1	Washer, Lock - Spring (#10)	33	309-0410	1	Valve, Float
16	415-0326	1	Cover, Access - Relay	34	415-0467	1	Gasket - Access Plate
17	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8")	35			Base, Rear Mounting - Unhoused Sets
18	870-1183	2	Nut, Self-locking - Hex with ET (#6-32)	36	403-2063	1	DGAB
				37	403-2064	1	DGAC, DGAD, DGAE
				38	800-0090	6	Screw, Cap - Hex Head (1/2-13 x 1")
				39	862-0016	6	Nut, Hex (1/2-13)
				40	850-0060	6	Washer, Lock - Spring (1/2")

**Day Tank
(Underground Fuel Supply Application)**

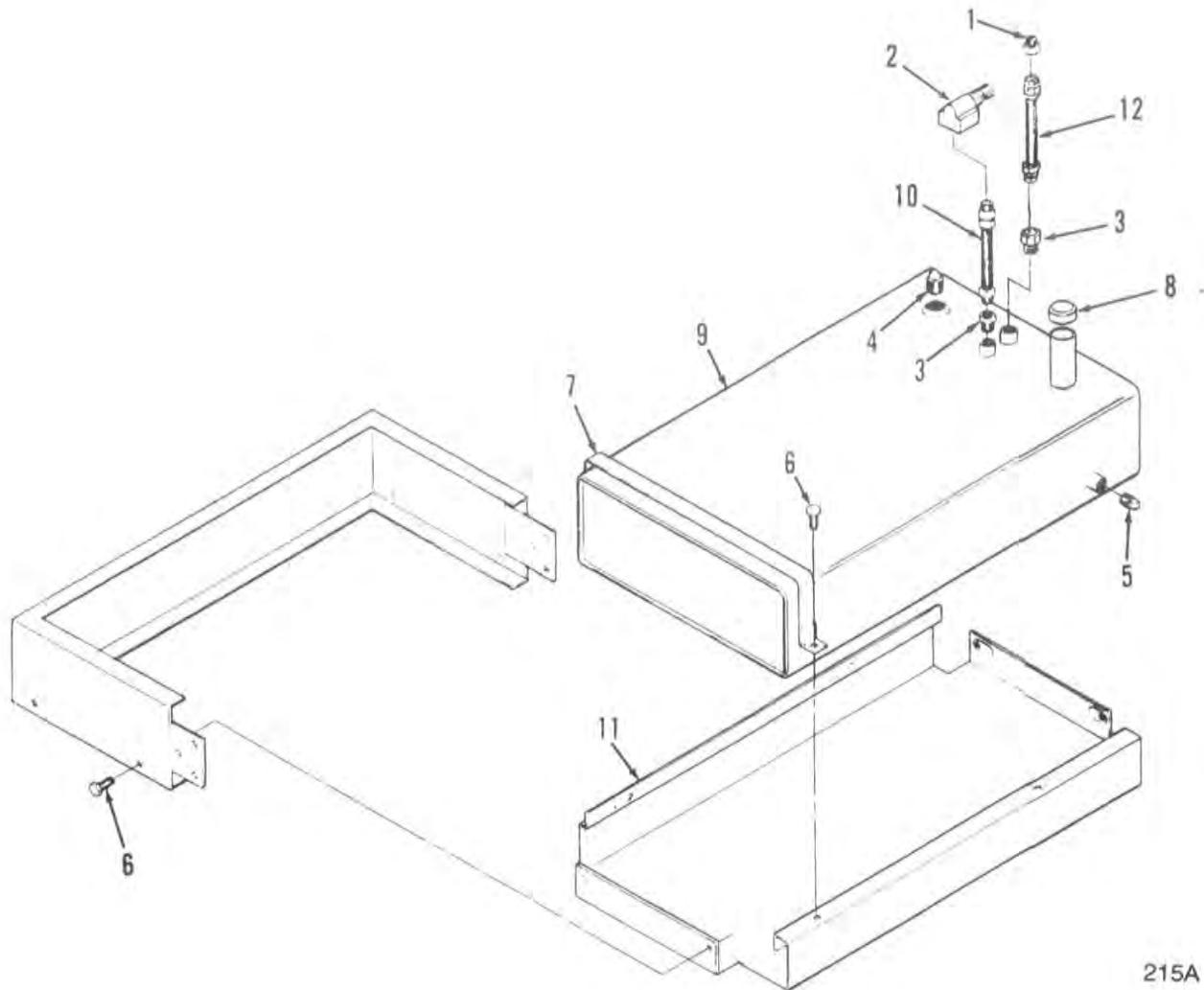


1032A

Day Tank
(Underground Fuel Supply Application)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0027	2	Line, Fuel - Flexible (1/8 NPT Male x 1/4 SAE Male Swivel x 48" Lg)	15	850-0030	1	Washer, Lock - Spring (#10)
2	501-0007	1	Line, Fuel - Flexible (1/8 NPT Male x 1/4 SAE Male Swivel x 24" Lg)	16	415-0326	1	Cover, Access - Relay
3	502-0041	2	Elbow, Pipe - Street, 90° Brass-Inverted Male (1/4 NPT)	17	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8")
4	502-0003	2	Connector, Inverted Male (1/8")	18	870-1183	2	Nut, Self-Locking Hex - with ET (#6-32)
5	505-0007	2	Bushing, Reducer - Hex (1/4 NPT Male x 1/8 NPT Female)	19	307-1157	1	Spring, Holddown - Relay
6	149-1828	1	Pump, Fuel (12 VDC)	20	307-1058	1	Relay (12 VDC)
7	415-0321	1	Switch, Float - Liquid Level (Includes Mounting Plug)	21	323-0765	1	Socket, Relay
8	505-0054	1	Plug, Pipe - Square Head (1/4 NPT)	22	821-0014	10	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
9	505-0110	1	Plug, Pipe - Square Head (3/8 NPT)	23	402-0078	4	Mounting, Vibration
10	821-0013	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1")	24	159-1120	1	Bracket, Mounting - Fuel Tank
11	415-0451	1	Strap, Retaining - Tank	25	870-0212	2	Nut, Self-Locking - Hex Washer Head (1/4-20)
12	415-0445	1	Tank, Fuel - Day (Includes Cap) (3-1/2 Gallons)	26	870-0048	2	Nut, Self-Locking - Hex Washer Head (5/16-18)
13	159-0007	1	Cap - Fuel Tank	27	159-1122	1	Plate, Support - Fuel Tank
14	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8")	28	821-0018	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
				29			Base, Rear Mounting - Unhoused Sets
				403-2063	1	DGAB	
				403-2064	1	DGAC, DGAD, DGAE	
				30	800-0090	6	Screw, Cap - Hex Head (1/2-13 x 1")
				31	862-0016	6	Nut, Hex (1/2-13)
				32	850-0060	6	Washer, Spring - Lock (1/2")

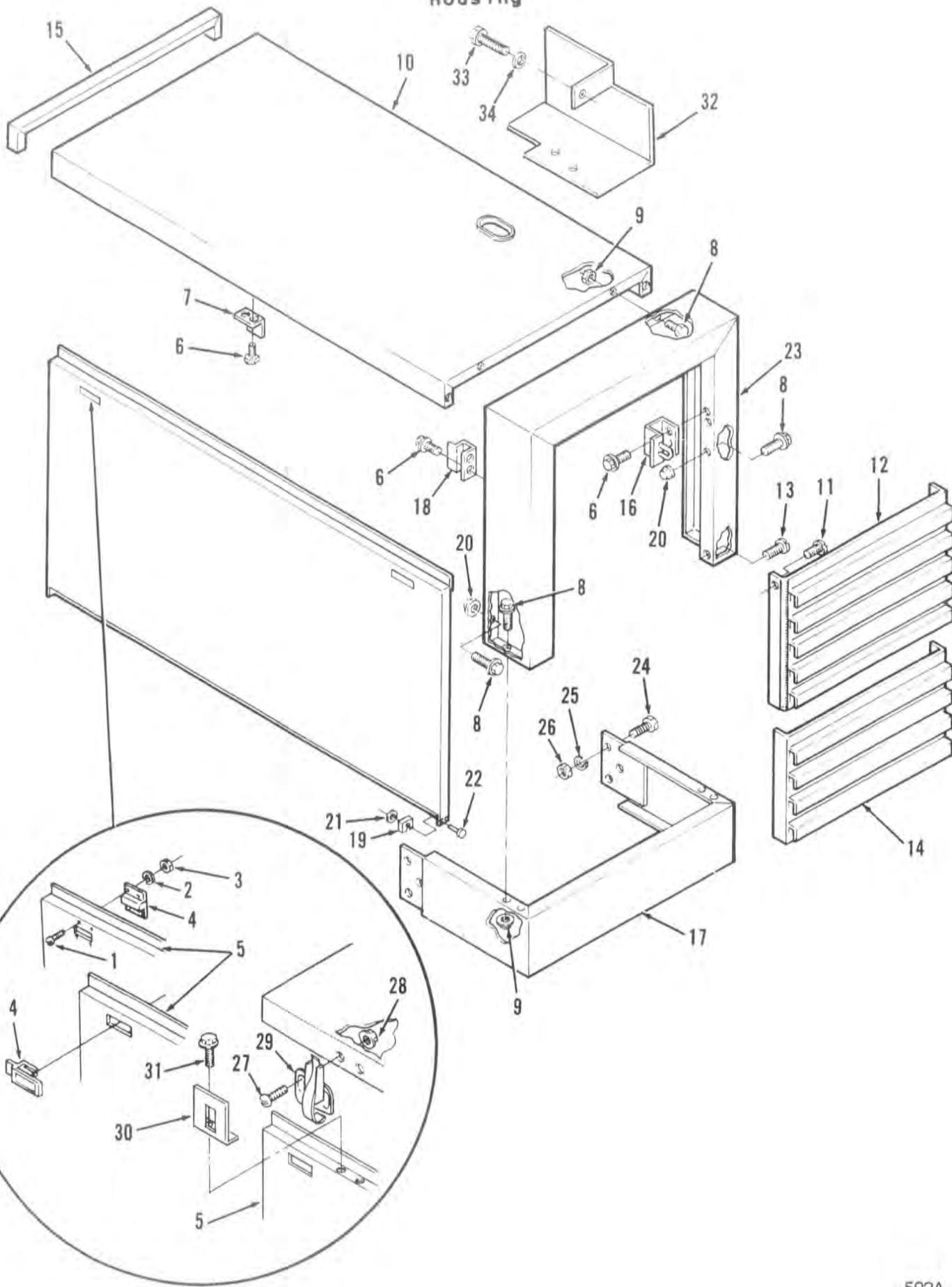
Fuel Tank
(Skid Mounted)



215A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-0003	1	Adapter, Pipe - Hex (5/16-24 x 1/8 NPT)	6	821-0010	6	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")
2	502-0041	1	Elbow, pipe - Street, 90° (5/16-24 Female x 1/4 NPT)	7	159-1126	2	Strap, Retaining - Fuel Tank
3	505-0007	2	Bushing, Reducer - Hex (1/4 x 1/8 NPT)	8	159-0007	1	Cap - Fuel Tank
4	505-0949	1	Plug, Pipe - Square Head (1-1/4 NPT)	9	159-1123	1	Tank, Fuel (8-1/2 Gallon)
5	505-0054	1	Plug, Pipe - Square Head (1/4 NPT)	10	501-0027	1	Line, Fuel (48")
				11	159-1124	1	Tray, Mounting - Fuel Tank
				12	501-0094	1	Line, Fuel (60")

Housing



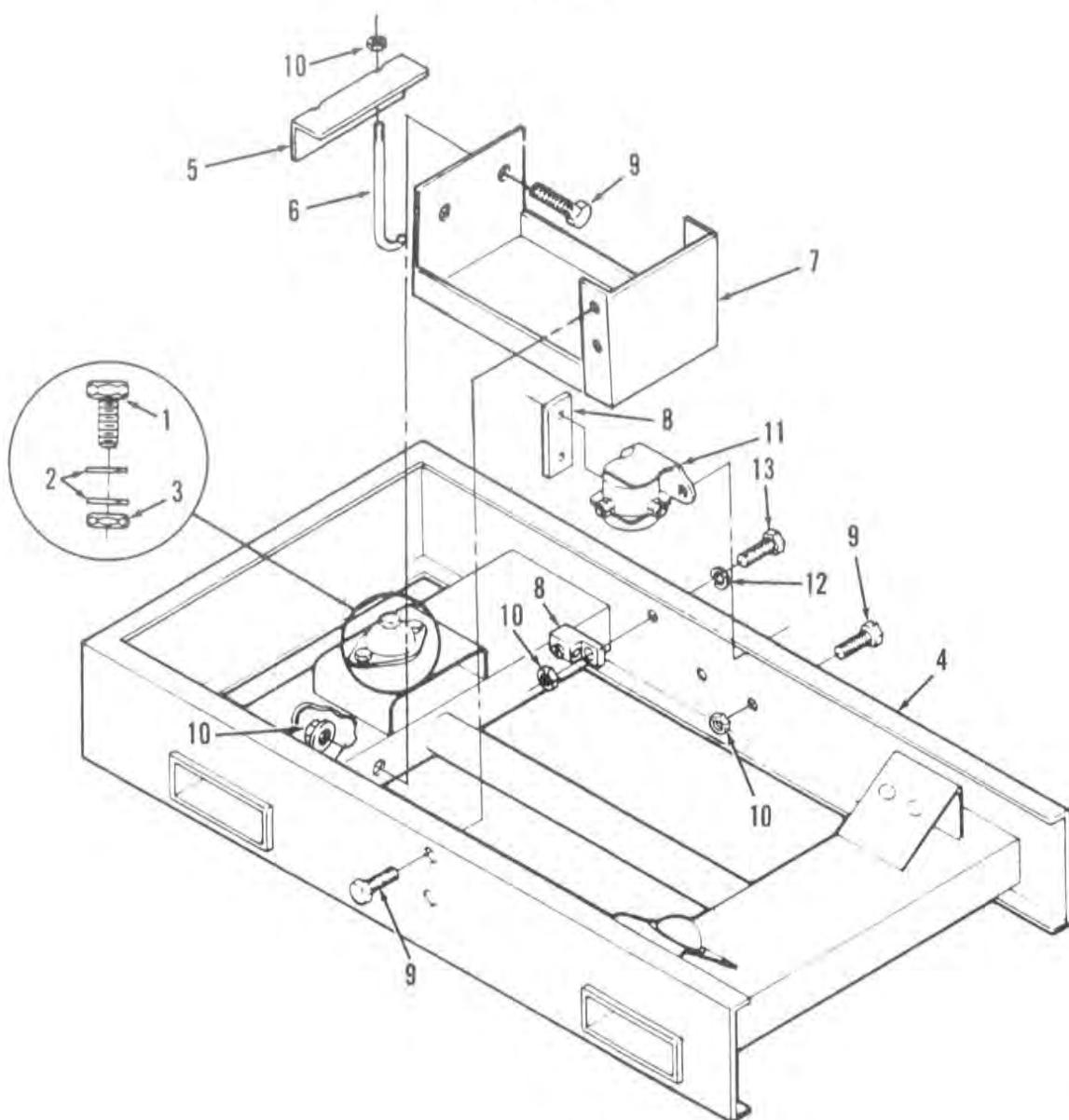
Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	812-0148	16	Screw, RHM (1/4-20 x 1/2")	18	406-0493	4	Catch, Door
2	850-0040	16	Washer, Spring - Lock (1/4")	19			Clip, Door
3	862-0001	16	Nut, Hex (1/4-20)	405-1872		6	Doors with Hasps
4			Latch, Door	405-1872		4	Doors without Hasps
	406-0369	4	*Spec C Through Early Spec D (with Mounting Holes)	20	870-0258	6	Nut, Weld (1/4-20)
	406-0561	4	*Use Began During Spec D (without Mounting Holes)	21	526-0003	12	Washer, Flat (#8)
				22	818-0150	12	Rivet
				23			Panel, Rear
5			Door, Engine	405-3069		1	DGAB, DL4, A41
	405-2823	2	*Spec C Through Early Spec D (with Latch Mounting Holes)	405-3070		1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61
	405-3306	2	*Use Began During Spec D - Doors without Hasps (without Latch Mounting Holes)	24	800-0090	6	Screw, Cap - Hex Head (1/2-13 x 1")
	405-3866	2	*Use Began During Spec D ~ Doors with Hasps (without Latch Mounting Holes)	25	850-0060	6	Washer, Spring-Lock (1/2")
6	821-0005	19	Screw, Self-Locking (#10-32 x 1/2")	26	862-0016	6	Nut, Hex (1/2-13)
7	406-0490	2	Latch, Door	27	813-0100	16	#Screw, Machine - Round Head (#10-32 x 1/2")
8	821-0010	22	Screw, Self-Locking (1/4-20 x 1/2")	28	870-0131	20	#Nut, Hex - with ET Washer (#10-32)
9	870-0212	16	Nut, Self-Locking (1/4-20)	29	406-0105	8	#Hasp, Door
10	405-3060	1	Panel, Top	30	405-3867	8	#Bracket, Hasp
11	813-0098	3	Screw, RHM (#10-32 x 3/8")	31	821-0015	16	#Screw, Self-locking (1/4-20 x 3/4")
12	405-2677	1	Cover, Control	32	155-2053	1	Shield, Heat - DGAE, DL6T, AT61
13	812-0148	4	Screw, RHM (1/4-20 x 1/2")	33	800-2057	3	Screw, Cap - Hex Head (MB x 1.25 x 20)
14	405-3082	1	Grille				DGAE, DL6T, AT61
15	895-0195		Stripping, Weather - Bulk (Order by the Foot) 5 Feet Required	34	850-0045	3	Washer, Lock-Spring - (5/16")
							DGAE, DL6T, AT61
16	406-0491	1	Latch, Cover				
17			Skid, Rear				
	403-2063	1	DGAB, DL4, A41				
	403-2064	1	DGAC, DGAD, DGAE, DL6, DL6T, A61, AT61				

* - Latches and Doors with Mounting Holes are not
Interchangeable with Latches and Doors without
Mounting Holes.

- Parts used on Doors with Hasps

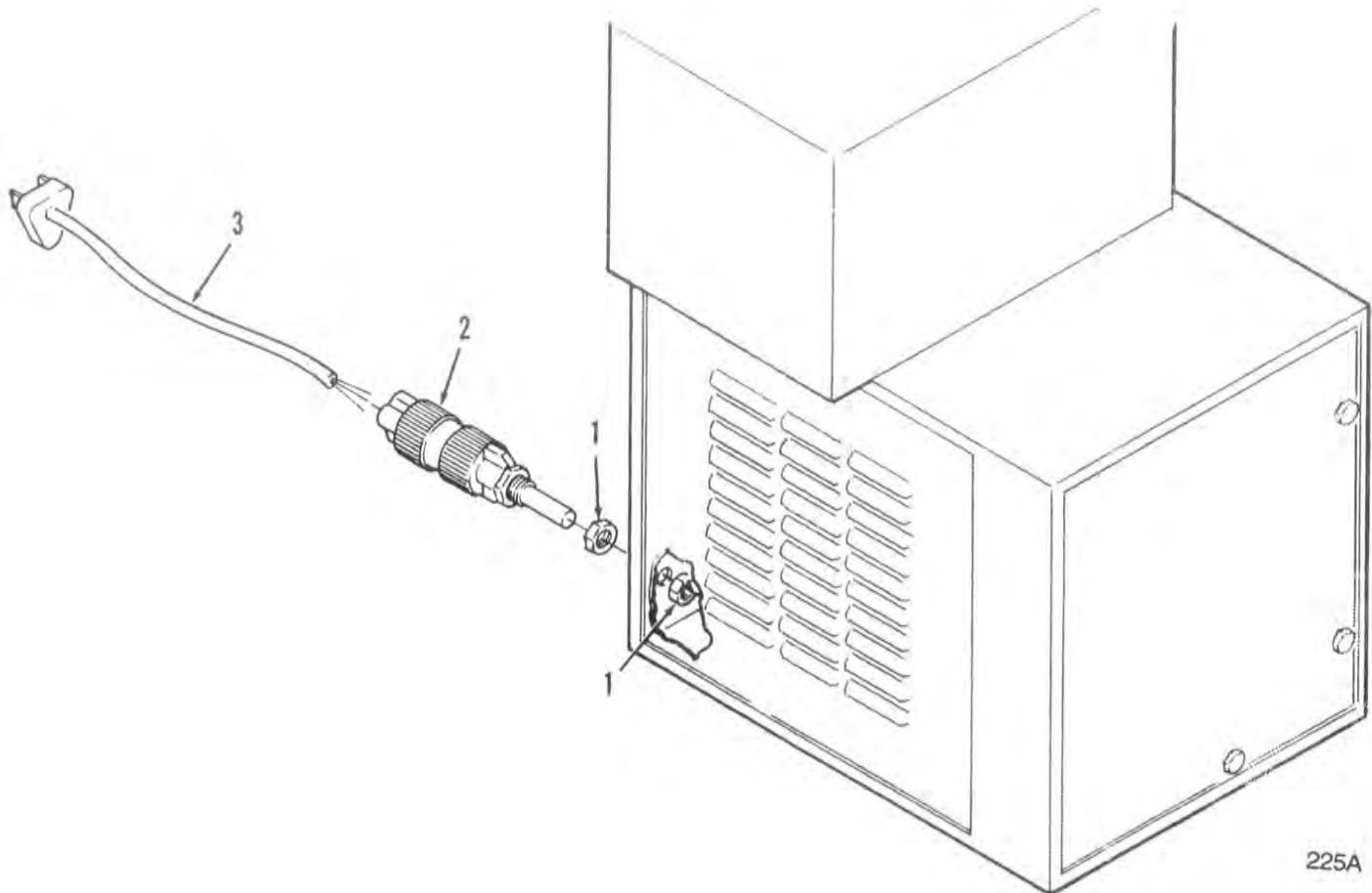
Chassis



1030A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0090	2	Screw, Cap - Hex Head Front Mount (1/2-13 x 1")	8	332-1473	1	Lug, Solderless
	800-0091	4	Rear Mount (1/2-13 x 1-1/4")	9	821-0010	6	Screw, Self-Locking (1/4-20 x 1/2")
2	850-0060	6	Washer, Lock-Spring (1/2")	10	870-0212	7	Nut, Self-Locking (1/4-20)
3	862-0016	4	Nut, Hex (1/2-13)	11	307-1031	1	Relay, Solenoid
4			Skid		307-1166	1	Pre-heat (K2)
	403-2052	1	DGAB, DL4, A41		307-1166	1	Start (K1) - DL4, DL6
	403-2053	1	DGAC, DGAD, DGAE, DL6, DL6T A61, AT61		307-1166	1	Spec C-D
5	416-0812	1	Bracket, Holddown - Battery	12	856-0006	1	Start (K1) - DL6T Spec A
6	416-0813	2	Rod, Holddown	13	821-0013	1	Washer, Lock - EIT (1/4")
7	416-0821	1	Tray, Battery				Screw, Self-Locking (1/4-20 x 1")

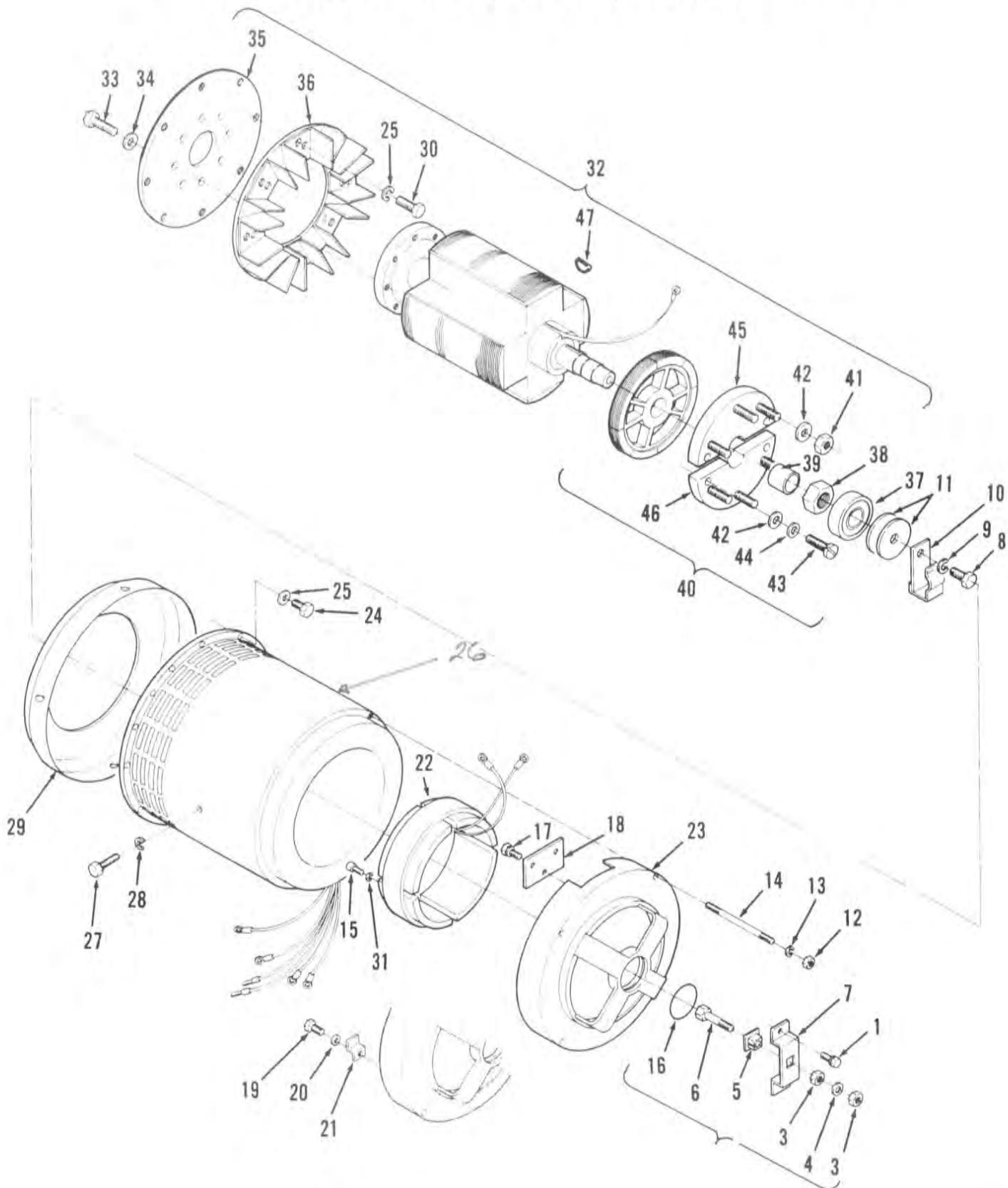
Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331-0041	2	Nut, Hex - Special	3	333-0228	1	Cord, Heater (6')
2	333-0157	1	Heater, Electrical				

Generator

(16.0DGAB, 16.0DL4, 16.0A41, 20.0DGAB, 20.0DL4, 20.0A41,
 20.0DGAC, 20.0DL6, 20.0A61, 25.0DGAC, 25.0DGAD, 25.0DL6,
 25A61, 30.0DGAD, 30.0DL6, 30.0A61)

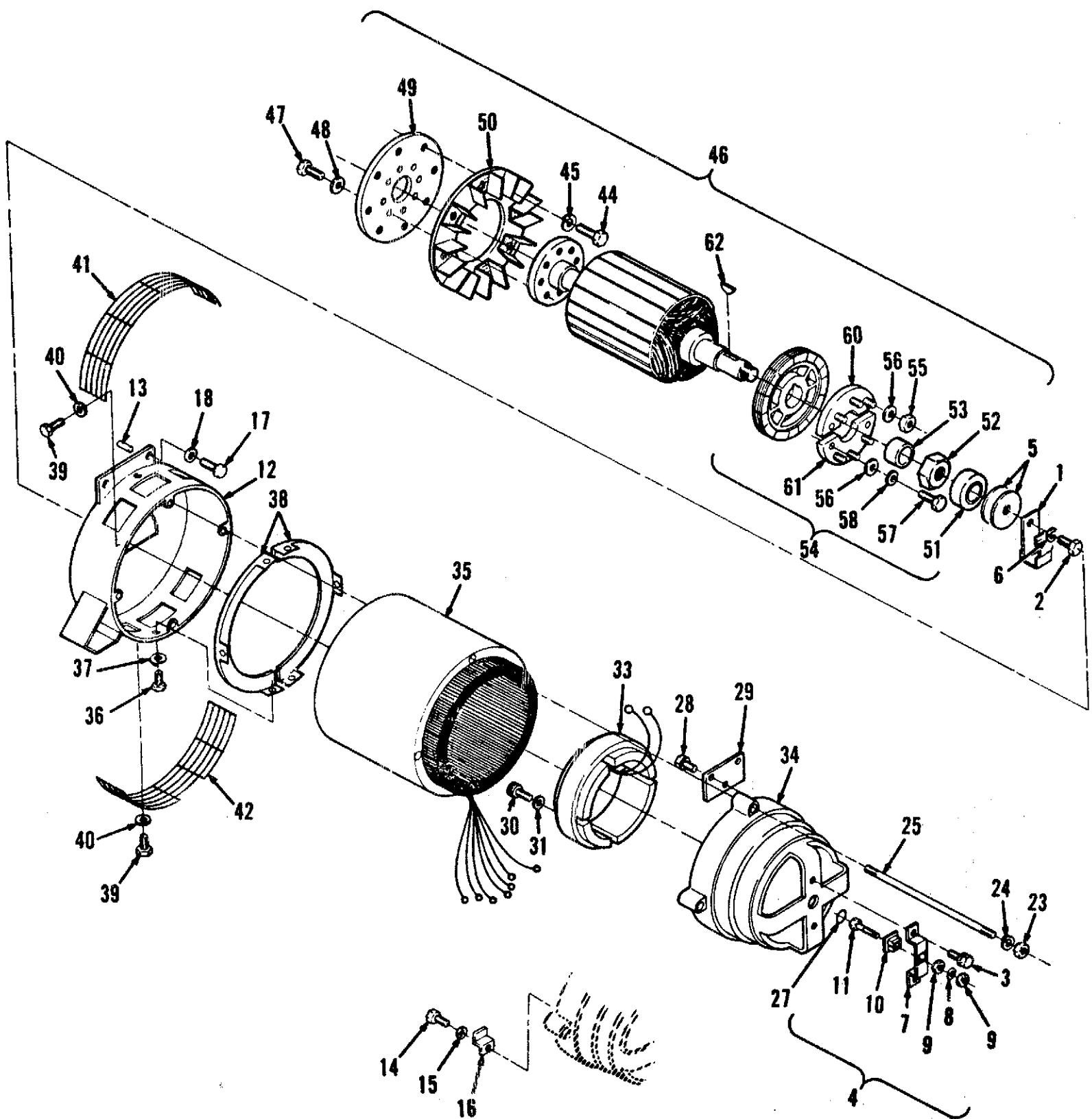


Generator

(16.0DGAB, 16.0DL4, 16.0A41, 20.0DGAB, 20.0DL4, 20.0A41,
 20.0DGAC, 20.0DL6, 20.0A61, 25.0DGAC, 25.0DGAD, 25.0DL6,
 25A61, 30.0DGAD, 30.0DL6, 30.0A61)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	27	718-1019	4	Screw, Cap - Hex Head (M6 x 14 mm)
2	150-1446	1	Bracket and Point Assembly (Includes Parts Marked #)	28	850-2006	4	Washer, Lock - Spring (M6)
3	862-0001	2	#Nut, Hex (1/4-20)	29	232-2845	1	Baffle, Air
4	853-0013	1	#Washer, Lock - ET (1/4")	30	800-2085	8	Screw, Cap - Hex Head (M10 x 20 mm)
5	870-0250	1	#Nut, Insulating	31	850-0040	4	Washer, Lock - Spring (1/4")
6	150-0723	1	#Point, Contact	32		1	Rotor Assembly, Generator (Includes Parts Marked *)
7	150-1445	1	#Bracket, Mounting				32.0DGAE, 32DL6T, 32AT61
8	800-0051	1	Screw, Cap - Hex Head (3/8-16 x 1-1/4")	201-3059		1	Standard
9	865-0010	1	Washer, Lock - EIT (3/8")	201-3207		1	Environmentally Protected
10	150-0717	1	Switch, Overspeed				40.0DGAE, 40.0DL6T, 40AT61
11	526-0077	2	Washer, Flat (3/8")				Standard
12	862-0003	4	Nut, Hex (3/8-16)	201-3059		1	347/600, 3 Phase, 4 Wire
13	850-0050	4	Washer, Lock - Spring (3/8") Stud	201-3059		1	Reconnectable, 3 Phase, 12 Wire
14	520-0055	4	3/8-16 x 4"	201-3207		1	Environmentally Protected
	520-0966	4	3/8-16 x 5.2"	33	805-0025	8	*Bolt, Hex Head - Slotted, Grade 8 (7/16-14 x 3/4")
15	802-0040	4	Screw, Cap - Socket Head (1/4-20 x 2")	34	526-0249	8	*Washer, Flat - Hardened (15/32" ID x 1" OD x 1/8" Thk)
16	509-0094	1	Seal, "O" Ring	35	232-2843	1	*Disk, Drive
17	815-0194	2	Screw, Tapping - Hex Head with ET Lockwasher (#10-32 x 3/8")	36	205-0132	1	*Fan, Generator
18	232-2418	1	Board, Terminal	37	510-0112	1	*Bearing, Ball
19	800-0004	4	Screw, Cap - Hex Head (1/4-20 x 5/8") Exciter Stator Mounting (Early Models)	38	870-0284	1	*Nut, Self-Locking Hex (1-1/8-12)
20	853-0013	4	Washer, Lock - ET (1/4") Exciter Stator Mounting (Early Models)	39	232-2398	1	*Spacer, Bearing
21	232-2584	4	Clip, Retaining - Exciter Stator Mounting (Early Models)	40			*Rotor, Assembly, Exciter (Includes Parts Marked +)
22	220-2010	1	Stator, Excitor Standard	201-2152		1	Standard
	220-2309	1	Environmentally Protected	201-2298		1	Environmentally Protected
23	211-0349	1	Bell, End	41	870-0131	8	+Nut, Self-Locking - Hex with ET Lockwasher (#10-32)
24	800-2087	12	Screw, Cap - Hex Head (M10 x 30 mm)	42	526-0008	12	+Washer, Flat (#10)
				43	813-0100	4	+Screw, Machine - Round Head (#10-32 x 1/2")
25	850-2010	20	Washer, Lock - Spring (M10)	44	853-0008	4	+Washer, Lock - ET (#10)
26			Stator Assembly, Generator (Includes Air Baffle) 32.0DGAE, 32DL6T, 32AT61	45	358-0069	1	+Rectifier Assembly, Positive
	220-3810	1	Standard	46	358-0070	1	+Rectifier Assembly, Negative
	220-4110	1	Environmentally Protected	47	515-0094	1	+Key - Excitor Stator
	220-4194-04	1	40.0DGAE, 40.0DL6T, 40AT61 Standard				# - Parts Included in 150-1446 Bracket and Point Assembly
	220-3806	1	347/600, 3 Phase, 4 Wire Reconnectable, 3 Phase, 12 Wire				* - Parts Included in Generator Rotor Assemblies
	220-3956	1	Environmentally Protected				+ - Parts Included in Excitor Rotor Assemblies

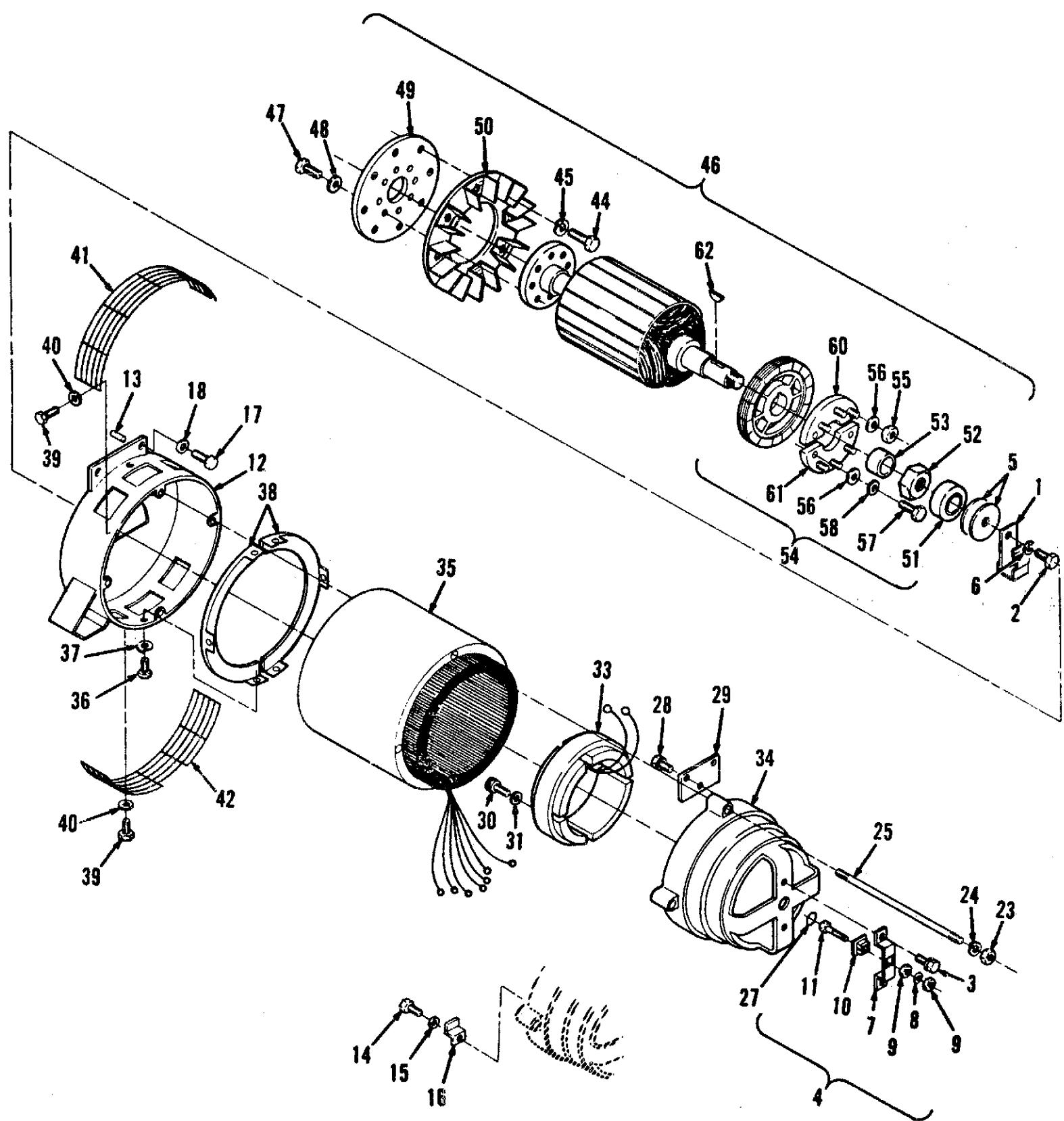
Generator
(32.0DGAE, 32.0DL6T, 32.0AT61;
40.0DGAE, 40.0DL6T, 40.0AT61)



Generator
(32.0DGAE, 32.0DL6T, 32.0AT61,
40.0DGAE, 40.0DL6T, 40.0AT61)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0717	1	Switch, Overspeed	220-3607	1		Reconnectable, 3 Phase,
2	800-0051	1	Screw, Cap - Hex Head (3/8-16 x 1-1/4")				12 Wire
3	821-0010	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	220-3533	1		25.0DGAC, 25.0DL6, 25A61
4	150-1446	1	Bracket and Point Assembly (Includes Parts Marked #)	220-3768	1		Standard
5	526-0077	2	Washer, Flat (3/8")	220-3559	1		120/240, 1 Phase, 4 Wire
6	856-0010	1	Washer, Lock - ET (3/8")	220-3560	1		347/600, 3 Phase, 4 Wire
7	150-1445	1	#Bracket, Mounting	220-3587	1		Reconnectable, 3 Phase,
8	853-0013	1	#Washer, Lock - ET (1/4")				12 Wire
9	862-0001	2	#Nut, Hex (1/4-20)				Extended Stack
10	870-0250	1	#Nut, Insulation	220-3590	1		Environmentally Protected
11	150-0723	1	#Point, Contact	220-3608	1		25.0DGAD, 25.0DL6, 25A61
12	231-0289	1	Adapter, Generator (Includes Timing Indicator)	220-3609	1		Standard
13	160-1292	1	Indicator, Timing				120/240, 1 Phase, 4 Wire
14	800-0004	4	Screw, Cap - Hex Head (1/4-20 x 5/8") Excitor Stator Mounting (Early Spec A Models)	220-4086	1		Reconnectable, 3 Phase,
15	853-0013	4	Washer, Lock - ET (1/4") Excitor Stator Mounting (Early Spec A Models)	220-3532	1		12 Wire
16	232-2584	4	Clip, Retaining - Exciter Stator Mounting (Early Spec A Models)	220-4102	1		Extended Stack
17	718-1078	6	Screw, Cap - Hex Head (M12 x 50 MM)	220-3769	1		Environmentally Protected
18	740-1801	6	Washer, Flat (M12)	220-3560	1		120/240, 1 Phase, 4 Wire
23	862-0003	4	Nut, Hex (3/8-16)				Reconnectable, 3 Phase,
24	850-0050	4	Washer, Lock - Spring (3/8")	220-3998	1		12 Wire
25	520-0802	4	Stud	220-3588	1		Extended Stack and
27	509-0094	1	Seal, O-Ring	36	800-2033	6	Environmentally Protected
28	815-0194	2	Screw, Tapping - Hex Head with ET Lockwasher (#10-32 x 3/8")	37	850-2006	6	Screw, Cap - Hex Head
				38	234-0688	2	(M6 x 16 mm)
				39	800-2029	8	Washer, Lock - Spring (M6)
29	232-2418	1	Board, Terminal	40	526-0022	8	Baffle, Air
30	802-0040	4	Screw, Cap - Socket Head (1/4-20 x 2")	41	234-0689	1	Screw, Cap - Hex Head
31	850-0040	4	Washer, Lock - ET (1/4")	42	234-0690	1	(M6 x 12 mm)
33	220-2010	1	Stator, Excitor Standard	44	800-2085	9	Washer, Flat (5/16")
	220-2309	1	Environmentally Protected	45	850-2010	8	Guard, Fan - Upper
34	211-0256	1	Bell, End	46		1	Guard, Fan - Lower
35	1	Stator, Generator 16.0DGAB, 16.0DL4, 16A41 Standard				Bolt, Hex Head	
						(M10 x 20 mm)	
	220-3592	1	120/240, 1 Phase, 4 Wire	201-2947	1		Washer, Lock - Spring (M10)
	220-3606	1	Reconnectable, 3 Phase, 12 Wire	201-2946	1		Rotor Assembly, Generator
	220-3607	1	Extended Stack	201-2947	1		(Includes Parts Marked #)
	220-3616	1	Environmentally Protected	201-3176	1		16.0DGAB, 16.0DL4, 16A41
						Standard	120/240, 1 Phase, 4 Wire
	20.0DGAB, 20.0DL4, 20A41						Reconnectable, 3 Phase,
							12 Wire
	201-2947						Extended Stack
	201-2947						Environmentally Protected
	201-3176						20.0DGAB, 20.0DL4, 20A41
							Standard
							120/240, 1 Phase, 4 Wire
	201-2947						Reconnectable, 1 Phase,
	201-2947						4 Wire
	201-2946						220/380, 3 Phase, 4 Wire
	201-2946						Reconnectable, 3 Phase,
							12 Wire
	201-2955						Extended Stack
	201-2947						100/200, 1 Phase, 4 Wire
	201-2947						Reconnectable, 3 Phase,
	201-2947						12 Wire
	201-3176						Environmentally Protected
	201-3048						Extended Stack and
	201-2955						Environmentally Protected
	201-2955						20.0DGAC, 20.0DL6, 20A61
							Standard
							120/240, 1 Phase, 4 Wire
	220-3591	1	120/240, 1 Phase, 4 Wire				

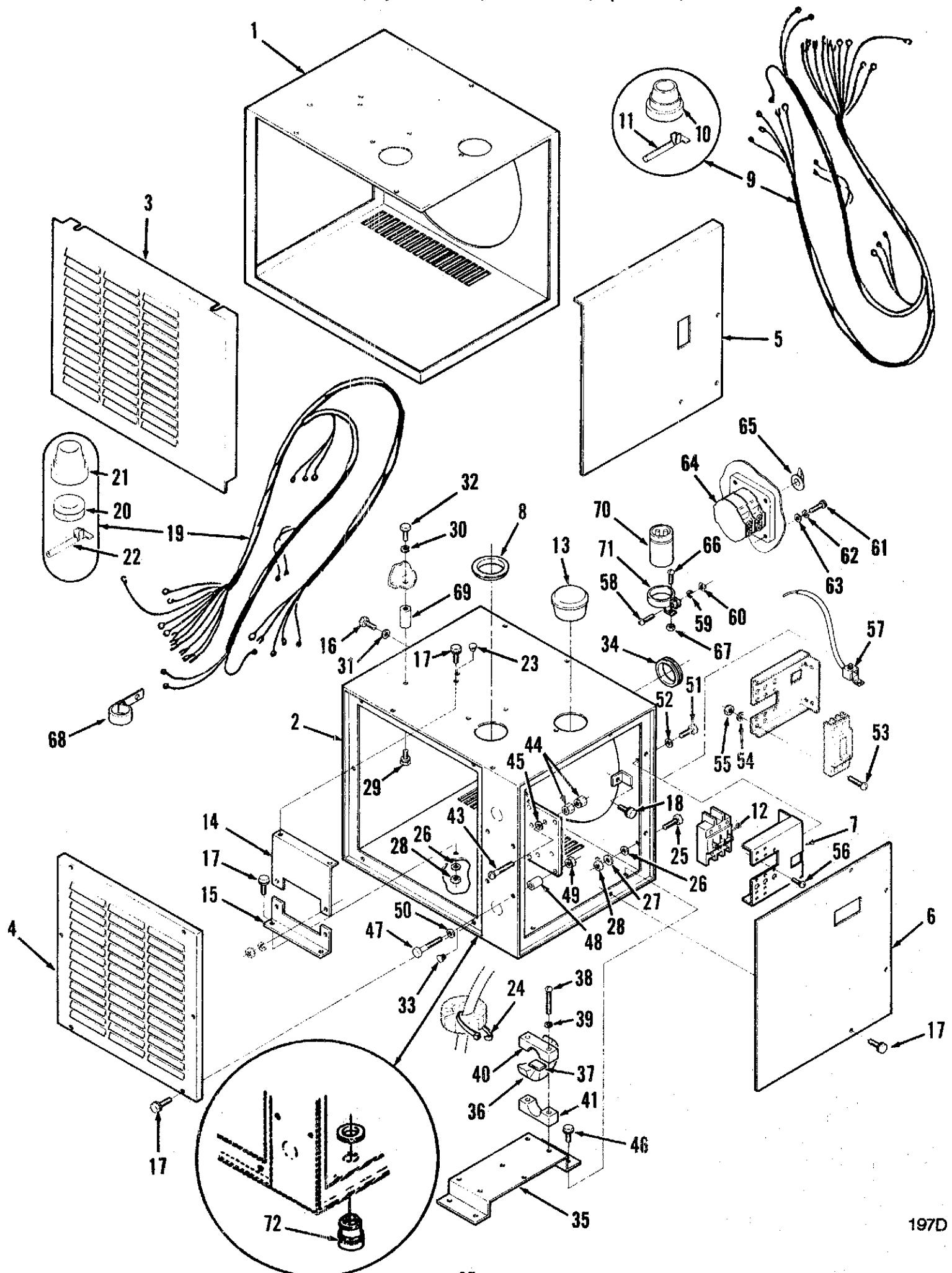
Generator
(32.0DGAE, 32.0DL6T, 32.0AT61,
40.0DGAE, 40.0DL6T, 40.0AT61)



Generator
(32.0DGAE, 32.0DL6T, 32.0AT61,
40.0DGAE, 40.0DL6T, 40.0AT61)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
201-2947		1	Reconnectable, 3 Phase, 12 Wire 25.0DGAC, 25.0DL6, 25A61 Standard	47	805-0025	8	*Bolt, Hex Head - Slotted, Grade 8 (7/16-14 x 3/4")
				48	526-0249	8	*Washer, Flat - Hardened (15/32" ID x 1" OD x 1/8" Thk)
201-2955		1	120/240, 1 Phase, 4 Wire	49	232-2921	1	*Disk, Drive
201-2947		1	347/600, 3 Phase, 4 Wire	50	205-0145	1	*Fan, Generator
201-2947		1	Reconnectable, 3 Phase, 12 Wire	51	510-0112	1	*Bearing, Ball
201-2955		1	Extended Stack	52	870-0284	1	*Nut, Self-Locking Hex (1-1/8 - 12)
201-3048		1	Environmentally Protected 25.0DGAD, 25.0DL6, 25A61 Standard	53	232-2398	1	*Spacer, Bearing
201-2956		1	120/240, 1 Phase, 4 Wire	201-2152		1	*Rotor Assembly, Excitor (Includes Parts Marked +)
201-2955		1	Reconnectable, 3 Phase, 12 Wire	201-2298		1	Standard
201-2956		1	Extended Stack 30.0DGAD, 30.0DL6, 30A61 Standard	55	870-0131	8	Environmentally Protected
201-2956		1	100/200, 1 Phase, 4 Wire	56	526-0008	12	+Nut, Self-Locking - Hex With ET Lockwasher (#10-32)
201-2956		1	120/240, 1 Phase, 4 Wire	57	813-0100	4	+Washer, Flat (#10)
201-2955		1	220/380, 3 Phase, 4 Wire	58	853-0008	4	+Screw, Machine - Round Head (#10-32 x 1/2")
201-2955		1	347/600, 3 Phase, 4 Wire	60	358-0069	1	+Washer, Lock - ET (#10)
201-2955		1	Reconnectable, 3 Phase, 12 Wire	61	358-0070	1	+Rectifier Assembly - Positive
201-2956		1	Extended Stack Environmentally Protected	62	515-0094	1	+Rectifier Assembly - Negative
201-3056		1	120/240, 1 Phase, 4 Wire				*Key - Exciter Rotor
201-3049		1	Reconnectable, 3 Phase, 12 Wire				# - Parts Included in 150-1446 Bracket and Point Assembly
201-3050		1	Extended Stack and Environmentally Protected				* - Parts Included in Generator Rotor Assemblies
							+ - Parts Included in Excitor Rotor Assemblies

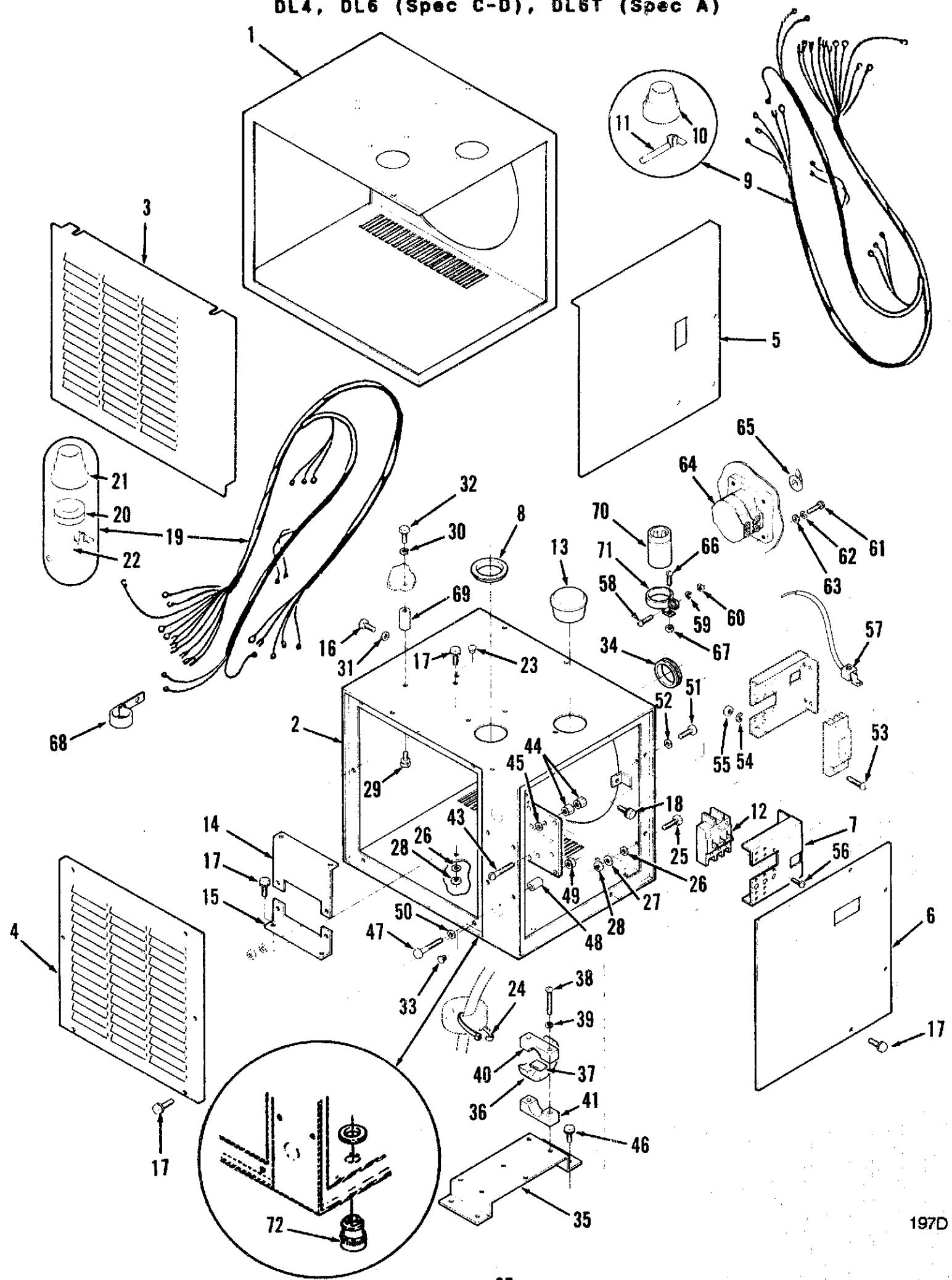
Output Box
DL4, DL6 (Spec C-D), DL6T (Spec A)



Output Box
DL4, DL6 (Spec C-D), DL6T (Spec A)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-7381	1	Box, Output - DL4, DL6 Early Portion of Spec C (Corner Brace is Part of the Grille)	320-0647	1	70 Ampere, 240 Volt	
				320-1466-11	1	70 Ampere, 240 Volt with Shunt Trip	
2	301-7903	1	Box, Output DL4, DL6 Late Portion of Spec C and Spec D	320-0700	1	80 Ampere, 240 Volt	
	301-7903	1	DL6T Spec A	320-1466-12	1	80 Ampere, 240 Volt with Shunt Trip	
3	301-7336	1	Grille, DL4, DL6 Early Portion of Spec C (Corner Brace is Part of the Grille)	320-0642	1	90 Ampere, 240 Volt	
				320-1466-13	1	90 Ampere, 240 Volt with Shunt Trip	
4	301-7899	1	Grille DL4, DL6 Late Portion of Spec C and Spec D	320-0701	1	100 Ampere, 240 Volt	
	301-7899	1	DL6T Spec A	320-1466-14	1	100 Ampere, 240 Volt with Shunt Trip	
5			Cover, DL4, DL6 (Early Portion of Spec C)	320-1555-06	1	125 Ampere, 240 Volt	
	301-7335	1	Without Circuit Breaker Opening	320-1555-06	1	125 Ampere, 240 Volt with Shunt Trip	
	301-7516	1	Use with Westinghouse and General Electric Breakers	320-1555-07	1	150 Ampere, 240 Volt	
	301-7515	1	Use with Heineman Circuit Breakers	320-1557-07	1	150 Ampere, 240 Volt with Shunt Trip	
6			Cover, DL4, DL6 (Late Portion of Spec C and Spec D)	320-1555-08	1	175 Ampere, 240 Volt	
			DL6T (Spec A)	320-1555-09	1	200 Ampere, 240 Volt	
	301-7901	1	Without Circuit Breaker Opening	320-1555-10	1	225 Ampere, 240 Volt	
	301-7941	1	Use with Westinghouse and General Electric Breakers	320-0643	1	30 Ampere, 480 Volt	
	301-7942	1	Use with Heineman Circuit Breakers	320-1466-19	1	30 Ampere, 480 Volt with Shunt Trip	
7	301-7572	1	Bracket, Circuit Breaker Mounting	320-0645	1	50 Ampere, 480 Volt	
				320-1466-23	1	50 Ampere, 480 volt with Shunt Trip	
8	508-0257	1	Grommet, Plastic (3-1/2" Hole)	320-1458-24	1	60 Ampere, 480 Volt	
9	338-1647	1	Harness, Wiring - Generator to Control (Includes Plug and Pins)	320-1466-24	1	60 Ampere, 480 Volt with Shunt Trip	
10	323-1136	1	Plug, Circular (14 Pin) (P2)	320-1458-25	1	70 Ampere, 480 Volt	
11	323-1228	11	Pin, Male	320-1466-25	1	70 Ampere, 480 Volt	
12			Breaker, Circuit 2 Pole	320-1458-25	1	with Shunt Trip	
	320-0630	1	70 Ampere, 240 Volt	320-1466-26	1	80 Ampere, 480 Volt	
	320-0635	1	80 Ampere, 240 Volt			80 Ampere, 480 Volt with Shunt Trip	
	320-0636	1	90 Ampere, 240 Volt	320-1458-27	1	90 Ampere, 480 Volt	
	320-0632	1	100 Ampere, 240 Volt	320-1458-30	1	125 Ampere, 480 Volt	
	320-1555-01	1	125 Ampere, 240 Volt	320-1458-35	1	25 Ampere, 600 Volt	
	320-1557-01	1	125 Ampere, 240 Volt with Shunt Trip	320-1466-35	1	25 Ampere, 600 Volt with Shunt Trip	
	320-1555-02	1	150 Ampere, 240 Volt	320-1458-36	1	30 Ampere, 600 Volt	
	320-1557-02	1	150 Ampere, 240 Volt with Shunt Trip	320-1466-36	1	30 Ampere, 600 Volt with Shunt Trip	
	320-1556-02	1	150 Ampere, 240 Volt with Auxiliary Contacts	320-1458-38	1	40 Ampere, 600 Volt	
	320-1555-03	1	175 Ampere, 240 Volt	320-1466-38	1	40 Ampere, 600 Volt with Shunt Trip	
	320-1557-03	1	175 Ampere, 240 Volt with Shunt Trip	320-1458-40	1	50 Ampere, 600 Volt	
	320-1556-03	1	175 Ampere, 240 Volt with Auxiliary Contacts	320-1466-40	1	50 Ampere, 600 Volt with Shunt Trip	
	320-1555-05	1	225 Ampere, 240 Volt 3 Pole	320-1462-40	1	50 Ampere, 600 Volt with Auxiliary Contacts	
	320-0646	1	40 Ampere, 240 Volt	13	517-0190	1	Plug, Plastic (3-1/2" Hole)
	320-1466-07	1	40 Ampere, 240 Volt with Shunt Trip	14	301-7360	1	Bracket, Upper
				15	301-7361	1	Bracket, Lower
	320-0698	1	50 Ampere, 240 Volt	16	815-0567	2	Screw, Self-Tapping - Hex Head (5/16-18 x 1-1/4")
	320-1466-09	1	50 Ampere, 240 Volt with Shunt Trip	17	821-0010	14	Screw, Self-Locking (1/4-20 x 1/2")
	320-0640	1	60 Ampere, 240 Volt	18	815-0236	1	Screw, Cap - Hex Head (5/16-18 x 5/8")
	320-1466-10	1	60 Ampere, 240 Volt with Shunt Trip				

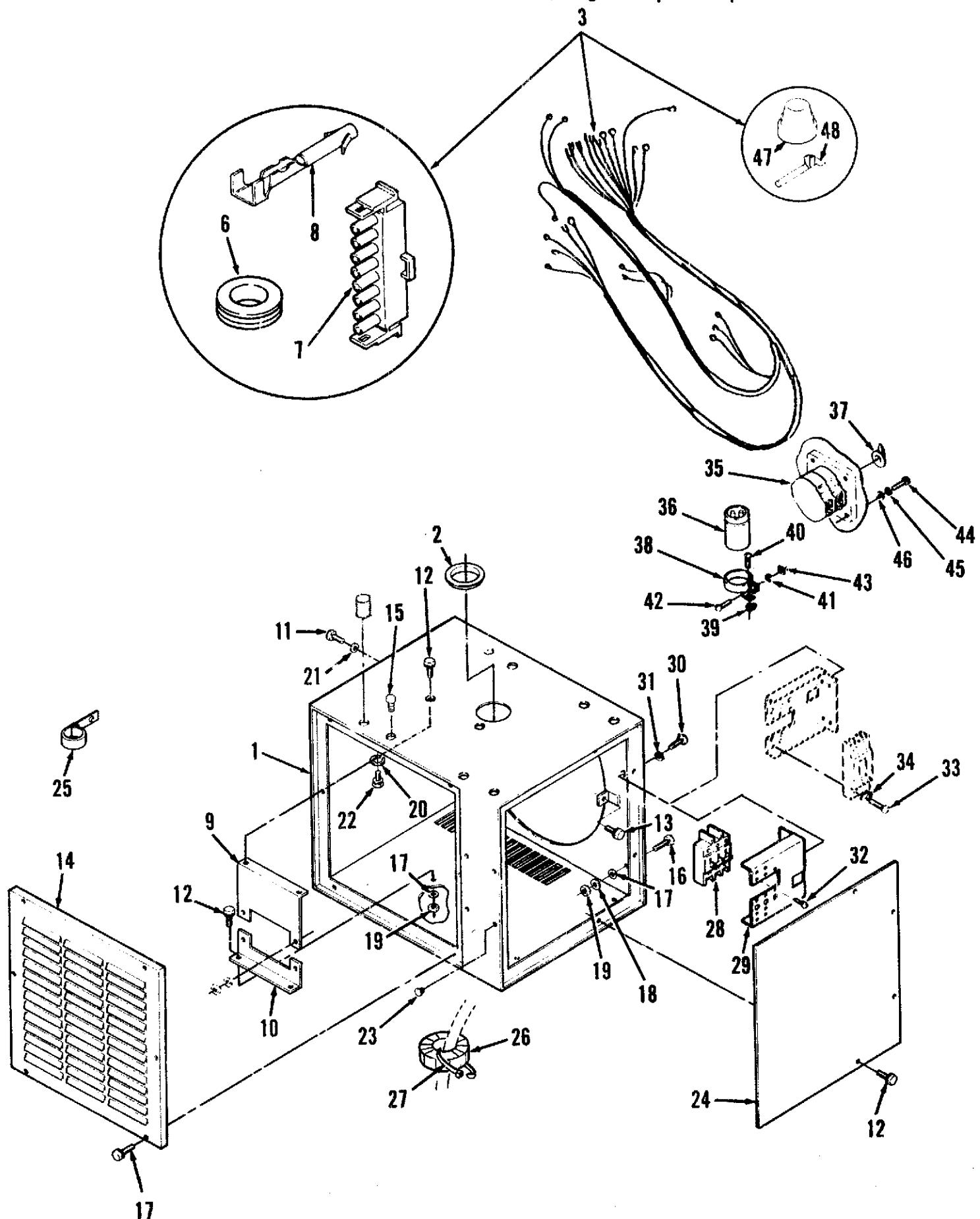
Output Box
DL4, DL6 (Spec C-D), DL6T (Spec A)



**Output Box
DL4, DL6 (Spec C-D), DL6T (Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
19	338-1649	1	Harness, Wiring - Engine to Control (Includes Grommet, Plug and Sockets)	42	332-2653	1	Block, Terminal
				43	812-0160	1	Screw, Machine - Round Head (1/4-20 x 2-1/2")
					812-0158	4	(1/4-20 x 2") - Single
20	508-0258	1	Grommet, Rubber (1-1/2" Hole)				Phase Sets
21	323-1134	1	Plug, Circular (16 Pin) (P1)		812-0158	6	(1/4-20 x 2") - Three Phase Sets
22	323-1192	4	14-12 Gauge Wire	44			Nut, Self-Locking (1/4-20)
	323-1195	10	18-14 Gauge Wire		870-0212	6	Single Phase Sets
23	517-0169	4	Plug, Plastic (3/8" Hole)		870-0212	8	Three Phase Sets
24	332-0941	3	Tie, Cable	45			Washer, Lock - IT (1/4")
25	800-0007	1	Screw, Cap - Hex Head (1/4-20 x 1") - Ground		854-0014	3	Single Phase Sets
26	856-0006	4	Washer, Lock - EIT (1/4")	46	821-0009	4	Three Phase Sets
27	526-0018	3	Washer, Flat (1/4")				Screw, Self-Locking (1/4-20 x 3/8")
28	862-0001	3	Nut, Hex (1/4-20)	47	800-0010	4	Screw, Cap - Hex Head (1/4-20 x 3/4")
29	821-0014	4	Screw, Self-Locking (5/16-18 x 1/2")	48	332-1348	4	Spacer
30	850-0045	4	Washer, Lock-Spring (5/16")	49	870-0212	4	Nut, Self-Locking (1/4-20)
31	526-0115	2	Washer, Flat (5/16")	50	854-0014	4	Washer, Lock - IT (1/4")
32	800-0024	4	Screw, Cap - Hex Head (5/16-18 x 1/2")	51	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")
33	517-0045	4	Plug, Dot Button (9/32" Hole) (Output Boxes without Terminal Blocks)	52	850-0040	2	Washer, Lock - Spring (1/4")
34	508-0055	1	Grommet, Rubber (1-3/4" Hole)	53	812-0094	4	Screw, Machine - Round Head (#8-32 x 3-5/8")
35	301-8157	1	Bracket, Mounting	54	850-0025	4	Washer, Lock - Spring (#8)
36			Transformer, Current - CT21, 22, 23 DL4 (Ratio 100/5, 1VA) Single Phase Sets	55	860-0008	4	Nut, Hex (#8-32)
			Three Phase Sets	56	812-0063	6	Screw, Machine - Round Head (#6-32 x 1/2")
	302-0078	2	DL6 (Ratio 75/5, 1VA) Single Phase Sets	57	226-3423	6	Lead, Generator Output Extension
	302-0078	3	Three Phase Sets	58	812-0078	2	Screw, Machine - Round Head (#8-32 x 7/16")
	302-0076	2		59	850-0025	2	Washer, Lock - Spring (#8)
	302-0076	3	Single Phase Sets	60	861-0007	2	Nut, Square (#8-32)
			Three Phase Sets	61	812-0153	4	Screw, Machine - Round Head (1/4-20 x 1")
	302-0106	2	DL6T (Ratio 200/5, 1VA) Single Phase Sets	62	850-0040	4	Washer, Lock - Spring (1/4")
	302-0106	3	Three Phase Sets	63	526-0052	4	Washer, Flat (1/4")
37	302-0253	4	Shim	64	308-0770	1	Switch, Tap - Dual Phase Selector (Includes Knob and Mounting Hardware)
	302-0253	6	Single Phase Sets				Knob
			Three Phase Sets	65	303-0218	1	Screw, Machine - Fillister Head (#10-32 x 1")
			Screw, Machine - Round Head (#10-32 x 2")	66	815-0166	4	Nut, Hex - With ET (#10-32)
	813-0110	4	Single Phase Sets	67	870-0131	4	Clamp, Insulating
	813-0110	6	Three Phase Sets	68	332-2634	3	Dampener, Vibration
39	854-0010	4	Washer, Lock - IT (#10)	69	402-0070	4	Capacitor (1300 Mfd.) Used with Switching Voltage Regulator (C1)
	854-0010	6	Single Phase Sets	70	356-0090	2	Clamp, Mounting
40			Three Phase Sets				Insulator - Strain Relief
	302-0235	2	Clamp, Upper	71	356-0102	2	
	302-0235	3	Single Phase Sets	72	335-0166	1	
			Three Phase Sets				
41	302-0236	2	Clamp, Lower				
	302-0236	3	Single Phase Sets				
			Three Phase Sets				

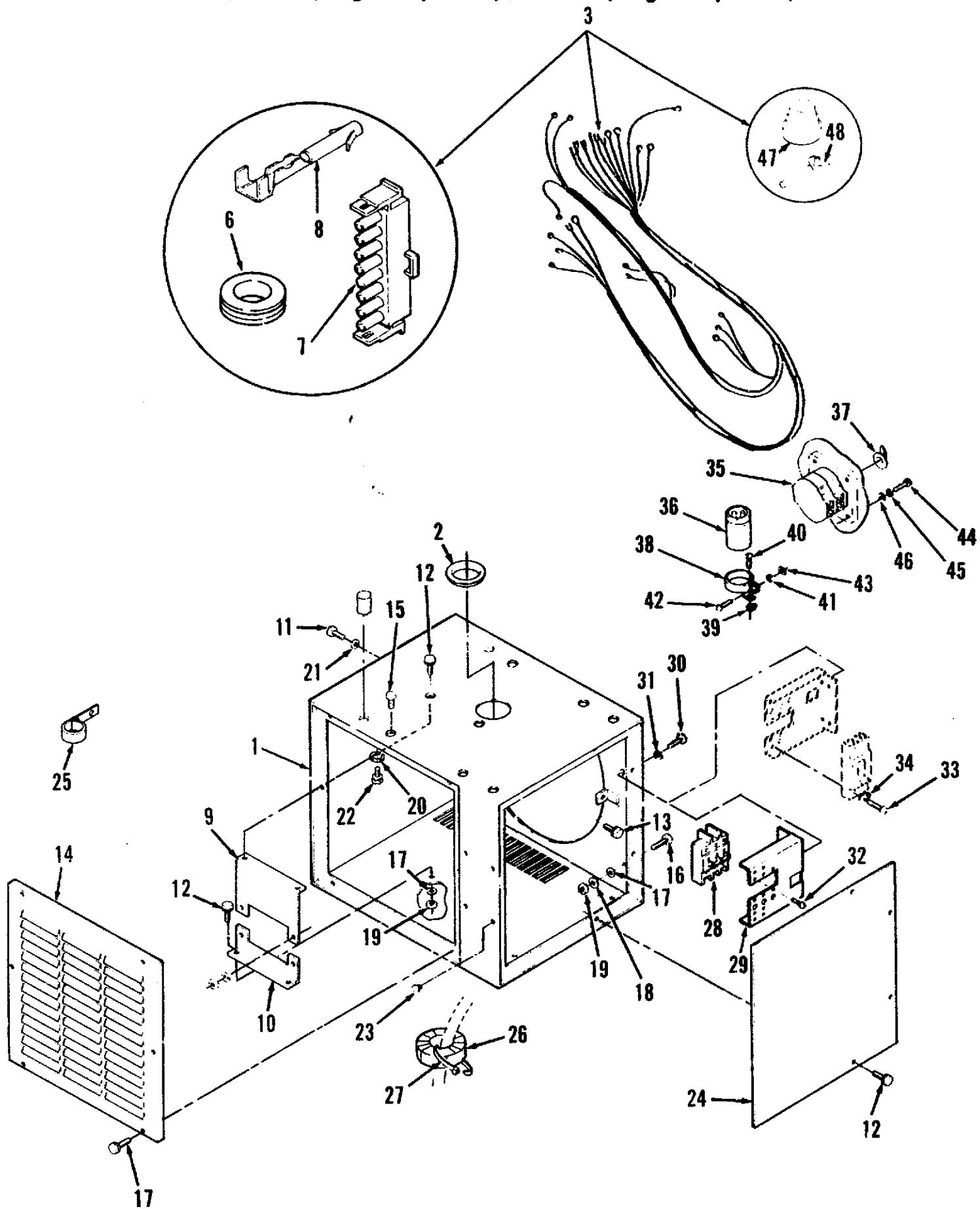
Output Box
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



Output Box
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0425	1	Box, Output		320-1557-02	1	150 Ampere, 240 Volt
2	508-0257	1	Grommet, Plastic (3-1/2")		320-1556-02	1	with Shunt Trip
3			Harness, Wiring		320-1555-03	1	150 Ampere, 240 Volt
	338-2327	1	Generator to Control		320-1557-03	1	with Auxiliary Contacts
			Engine to Control		320-1555-05	1	175 Ampere, 240 Volt
	338-2328	1	DL4, A41 - Spec E		320-1556-03	1	175 Ampere, 240 Volt
			(Motorola Alternator)		320-0646	1	with Shunt Trip
	338-2329	1	DL6, DL6T, A61, AT61,		320-1466-07	1	175 Ampere, 240 Volt
			Spec E (Motorola		320-0698	1	with Auxiliary Contacts
			Alternator)		320-1466-09	1	225 Ampere, 240 Volt
	338-2629	1	DGAB, DL4 - Begin Spec F		320-0640	1	3 Pole
			(Bosch Alternator)		320-1466-10	1	40 Ampere, 240 Volt
	338-2631	1	DGAC, DGAD, DGAE, DL6,		320-0647	1	40 Ampere, 240 Volt
			DL6T Begin Spec F		320-1466-11	1	with Shunt Trip
			(Bosch Alternator)		320-0700	1	50 Ampere, 240 Volt
6	508-0258	1	*Grommet, Rubber		320-1466-12	1	50 Ampere, 240 Volt
7			*Housing, Connector		320-0642	1	with Shunt Trip
	323-1304	1	6 Place (J2)		320-1466-13	1	60 Ampere, 240 Volt
	323-1306	1	8 Place (J1)		320-0701	1	60 Ampere, 240 Volt
8	323-1200	12	*Socket, Female		320-1466-14	1	with Shunt Trip
9	301-7360	1	Bracket, Upper		320-1555-06	1	70 Ampere, 240 Volt
10	301-7361	1	Bracket, Lower		320-1557-06	1	70 Ampere, 240 Volt
11	800-0030	2	Screw, Cap - Hex Head		320-1556-06	1	with Shunt Trip
			(5/16-18 x 1-1/4")		320-1555-07	1	80 Ampere, 240 Volt
12	821-0010	14	Screw, Cap - Self-Locking		320-1557-07	1	80 Ampere, 240 Volt
			(1/4-20 x 1/2")		320-1556-07	1	with Shunt Trip
13	815-0236	1	Screw, Cap - Hex Head		320-0642	1	90 Ampere, 240 Volt
			(5/16-18 x 5/8")		320-1466-15	1	90 Ampere, 240 Volt
14	301-7899	1	Grille		320-0701	1	with Shunt Trip
15	517-0169	4	Plug, Plastic - (3/8" Hole)		320-1466-16	1	100 Ampere, 240 Volt
16	800-0007	1	Screw, Cap - Hex Head		320-1555-08	1	100 Ampere, 240 Volt
			(1/4-20 x 1")		320-1555-09	1	with Shunt Trip
17	856-0006	4	Washer, Lock - EIT (1/4")		320-1555-10	1	125 Ampere, 240 Volt
18	526-0018	3	Washer, Flat (1/4")		320-0643	1	125 Ampere, 240 Volt
19	870-0212	2	Nut, Hex (1/4-20)		320-1466-19	1	with Shunt Trip
20	850-0045	4	Washer, Lock-Spring (5/16")		320-0638	1	125 Ampere, 240 Volt
21	856-0008	2	Washer, Lock - EIT (5/16")		320-1466-21	1	with Auxiliary Contacts
22	800-0024	4	Screw, Cap - Hex Head		320-0645	1	150 Ampere, 240 Volt
			(5/16-18 x 1/2")		320-1466-23	1	150 Ampere, 240 volt
23	517-0045	4	Plug, Dot Button (9/32")		320-1555-07	1	with Shunt Trip
24			Cover		320-1556-07	1	150 Ampere, 240 Volt
	301-7901	1	Without Circuit Breaker		320-1555-08	1	with Auxiliary Contacts
			Opening		320-1555-09	1	175 Ampere, 240 Volt
			With Circuit Breaker		320-1555-10	1	200 Ampere, 240 Volt
			Opening		320-0643	1	225 Ampere, 240 Volt
	301-7941	1	Use with Westinghouse and		320-1466-19	1	30 Ampere, 480 Volt
			General Electric Circuit		320-0643	1	30 Ampere, 480 Volt
			Breakers		320-1466-19	1	with Shunt Trip
	301-7942	1	Use with Heineman Circuit		320-0638	1	40 Ampere, 480 Volt
			Breakers		320-1466-21	1	40 Ampere, 480 Volt
25	332-2634	3	Clamp, Wiring Harness		320-0645	1	40 Ampere, 480 Volt
26			Transformer, Current		320-1466-23	1	50 Ampere, 480 Volt
			Single Phase		320-1458-24	1	50 Ampere, 480 Volt
	302-1845-02	2	Ratio 100/5		320-1466-24	1	with Shunt Trip
	302-1845-03	2	Ratio 150/5		320-1458-25	1	60 Ampere, 480 Volt
	302-1845-04	2	Ratio 200/5		320-1466-25	1	60 Ampere, 480 Volt
			Three Phase		320-1458-25	1	with Shunt Trip
	302-1845-02	3	Ratio 100/5		320-1466-25	1	70 Ampere, 480 Volt
	302-1845-03	3	Ratio 150/5		320-1458-25	1	70 Ampere, 480 Volt
	302-1845-04	3	Ratio 200/5		320-1466-25	1	with Shunt Trip
27			Tie, Cable		320-1458-25	1	80 Ampere, 480 Volt
	332-1389	2	Single Phase Sets		320-1466-26	1	80 Ampere, 480 Volt
	332-1389	3	Three Phase Sets		320-1458-27	1	with Shunt Trip
28			Breaker, Circuit		320-1458-30	1	90 Ampere, 480 Volt
			2 Pole		320-1458-35	1	125 Ampere, 480 Volt
	320-0630	1	70 Ampere, 240 Volt		320-1466-35	1	25 Ampere, 600 Volt
	320-0635	1	80 Ampere, 240 Volt		320-1458-36	1	25 Ampere, 600 Volt
	320-0636	1	90 Ampere, 240 Volt		320-1466-36	1	with Shunt Trip
	320-0632	1	100 Ampere, 240 Volt		320-1458-38	1	30 Ampere, 600 Volt
	320-1555-01	1	125 Ampere, 240 Volt				30 Ampere, 600 Volt
	320-1557-01	1	125 Ampere, 240 Volt				with Shunt Trip
			with Shunt Trip				40 Ampere, 600 Volt
	320-1555-02	1	150 Ampere, 240 Volt				

Output Box
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)

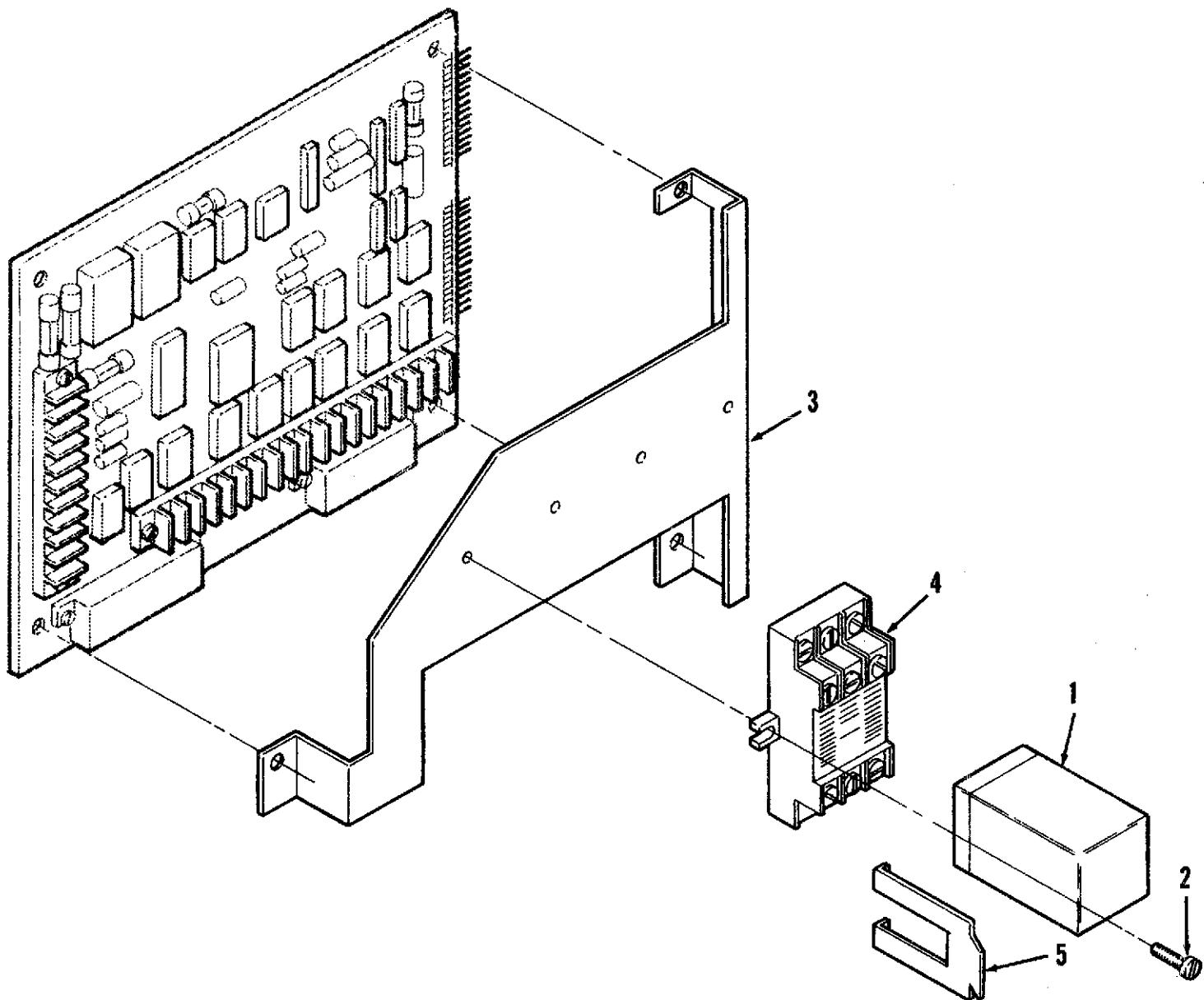


Output Box
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	320-1466-38	1	40 Ampere, 600 Volt with Shunt Trip	37	303-0218	1	Knob
	320-1458-40	1	50 Ampere, 600 Volt	38	356-0102	2	Clamp, Mounting
	320-1466-40	1	50 Ampere, 600 Volt with Shunt Trip	39	870-0131	8	Nut, Hex With ET Washer (#10-32)
	320-1462-40	1	50 Ampere, 600 Volt with Auxiliary Contacts	40	815-0166	4	Screw, Machine - Fillister Head (#10-32 x 1")
29	301-7572	1	Bracket, Circuit Breaker Mounting	41	850-0025	2	Washer, Lock-Spring (#8)
30	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")	42	812-0078	2	Screw, RHM (#8-32 x 7/16")
31	850-0040	2	Washer, Lock-Spring (1/4")	43	861-0007	2	Nut, Square (#8-32)
32	812-0063	6	Screw, RHM (#6-32 x 1/2")	44	812-0153	4	Screw, RHM (1/4-20 x 1")
33	812-0094	4	Screw, RHM (#8-32 x 3-5/8")	45	850-0040	4	Washer, Lock-Spring (1/4")
34	850-0025	4	Washer, Lock-Spring (#8)	46	526-0052	4	Washer, Flat (1/4")
35	308-0770	1	Switch, Tap-Dual Phase Selector (Includes Knob and Mounting Hardware)	47	323-1136	1	Plug, Circular (14 Pin)(P2)
36	356-0090	2	Capacitor (1300 MFD) Used with Selecting Voltage Switch (C1)	48	323-1228	11	Pin, Male

* Parts Included in Generator to Control Harness.

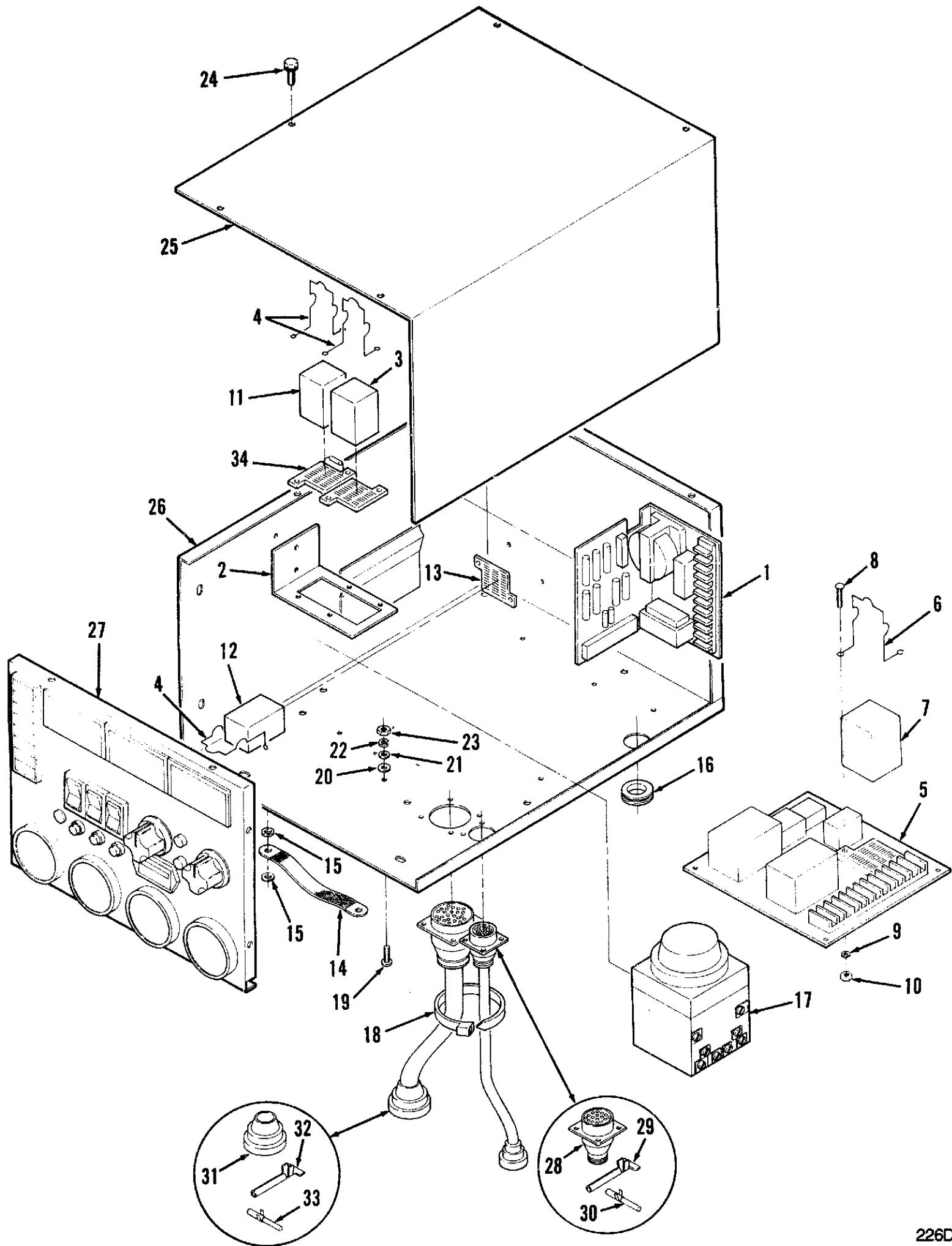
Run Relay
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



577B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Relay, Run (K11) (Quantity as Required)	3	319-0447	1	Bracket, Relay Mounting
307-1058	307-1056	1	12 VDC	4	323-0804	1	*Socket, Relay
2	815-0388	1	24 VDC	5	307-1987	2	*Holdown, Relay
		2	*Screw, Pan Head - Cross Recessed Thread (#6-32 x 1/2")				* - Quantities listed are for one mounted relay.

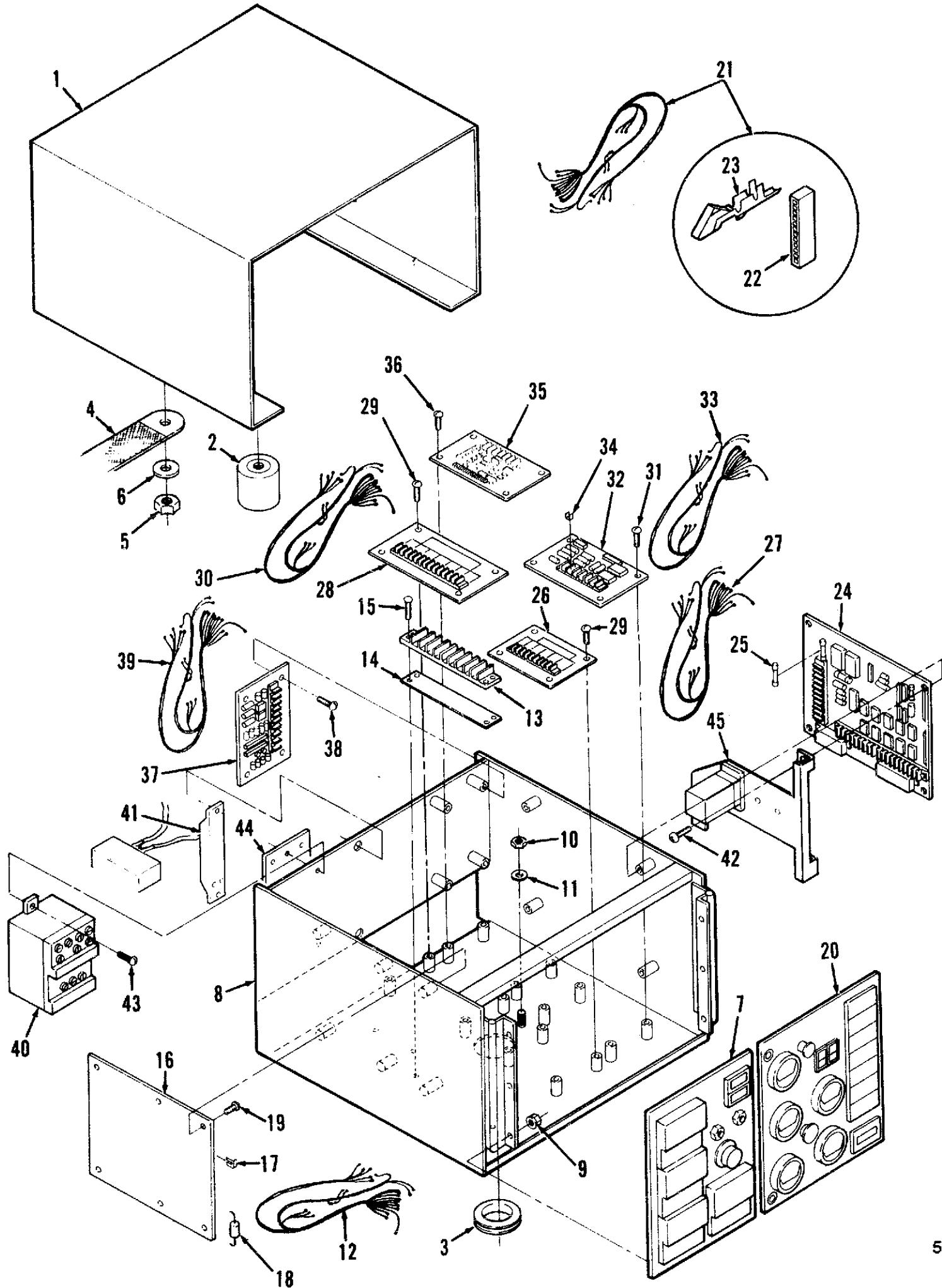
Control
DL4, DL6, (Spec C-D), DL6T (Spec A)



Control
DL4, DL6, (Spec C-D), DL6T (Spec A)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Regulator, Assembly, Voltage (See Separate Page for Components) Standard (VRA21)	18	338-1427	1	Harness, Wiring - Remote control (30')
	305-0693-01	1	Fixed Resistor	19	815-0105	1	Screw, Machine - Round Head (Brass) (#10-32 x 1")
	305-0693-02	1	External Adjust	20	526-0063	2	Grounding Stud
			Switching Regulator (VRA21)	21	856-0003	2	Washer, Flat - Brass (#10)
	305-0695-01	1	Fixed Resistor	22	851-0001	1	Washer, Lock - EIT (#10)
	305-0737	1	Standard (VRAS-2)				Washer, Lock - Spring
2			Bracket, Mounting - Relay	23	871-0010	2	Brass (#10)
	301-3244	1	One Socket Hole	24	821-0005	5	Nut, Hex - Brass (#10-32)
	301-7334	1	Two Socket Holes				Screw, Self-Locking - Hex
3	307-1061	1	Relay - Start (K11)	25	301-5150	1	Washer Head (#10-32 x 1/2")
4	307-1157	3	Spring, Holddown - Relay	26	301-6230	1	Cover, Control
5			Monitor Assembly, Engine (Includes Replaceable Relay and Spring) (A11)	27	-	1	Box, Control
	300-2510	1	Two Light Monitoring System (Standard)	28			Panel, Control (See Separate Page for Components)
	300-2453-04	1	Nine Light Monitoring System		323-1137	1	Receptacle - Square Flange
6	307-1157	1	Spring, Holddown - Relay		323-1135	1	14 Pin (J2)
7	307-1687	1	Relay (A11K1)		323-1129	11	16 Pin (J1)
8	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8")	30			Socket, Female - Used with
9	854-0006	2	Washer, Lock - IT (#6)	323-1193	4	14 Pin Receptacle	14 Pin Male - Used with 16 Pin
10	860-0006	2	Nut, Hex (#6-32)	323-1194	12	16-12 Gauge Wire	Receptacle
11	307-1061	1	Relay- Voltage Selector (K21)		323-1136	1	18-14 Gauge Wire
12	307-1058	1	Relay - Run (K12)		323-1134	1	Plug - Circular
13	323-0804	1	Socket, Relay (K12)	32			14 Pin (P2)
14	337-0049	1	Strap, Ground	323-1192	4	16 Pin (P1)	
15	856-0008	2	Washer, lock - EIT (5/16")	323-1195	12	Socket, Female - Used with	
16	508-0144	1	Grommet, Rubber (1" Hole)	33	323-1194	11	16 Pin Plug
17			Relay - Time Delay (Stop) (K15)		323-0765	2	Pin, Male - Used with
	307-1151	1	1 Second to 5 Minutes				14 Pin Plug
	307-1194	1	3 to 30 Minutes				Socket, Relay
	307-1189	1	6 to 60 Minutes				

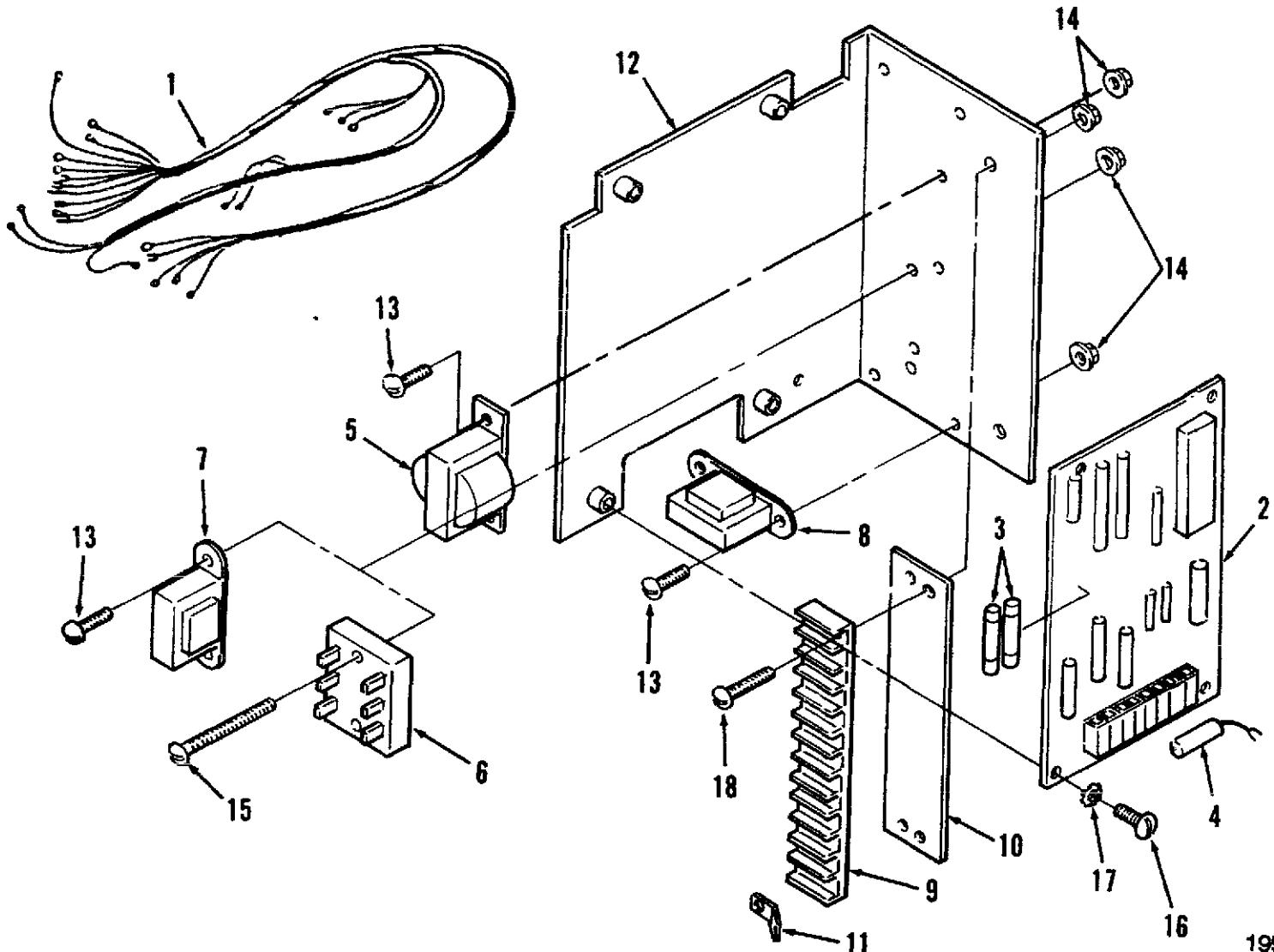
^{Control}
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



Control
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0413	1	Cover, Control	27	338-1906	1	Harness, Wiring - Alarm Relay (7 and 12 Light Controls) (A13 to A11TB2)
2	402-0527	4	Isolator, Vibration				Board, Printed Circuit - Alarm Relay (7 and 12 Light Control) (A13)
3	508-0051	1	Grommet, (2" Hole)	28			12 VDC
4	337-0049	1	Strap, Ground				24 VDC
5	862-0015	1	Nut, Hex (5/16-18)				Screw, Machine - Round Head (#6-32 x 1/2")
6	856-0008	1	Washer, Lock - EIT (5/16")				7 Light Control
7	-		Door Assembly, Control - AC (Left Hand Side Facing Control Doors) (See Separate Page for Components)	300-2862	812-0063	4	12 Light Control
				300-2863	812-0063	8	12 Light Control
8	319-0416	1	Tray - Control	29	338-1905	1	Harness, Wiring - Alarm Relay (12 Light Control) (A14 to A11TB2)
9	870-0131	6	Nut, Hex - ET (#10-32)				Screw, Machine - Round Head - Cross Recessed with IT (#6-32 x 1/2")
10	871-0015	1	Nut, Hex (1/4-20) Grounding Stud	30	338-1905	1	Board, Printed Circuit - Time Delay - Start/Stop/Preheat (A15)
11	853-0013	1	Washer, Lock - ET (1/4")				Without Preheat
12	338-2331	1	Harness, Wiring - AC (Includes Terminal Block) (AC Door Assembly to T821 Terminal Block)	31	815-0544	4	12 Volt DC
							24 Volt DC with Preheat - DGAB, DGAC, DGAD, DGAE, DL4, DL6, DL6T
13	332-0607	1	Block, Terminal - 12 Place (TB21)	32			12 Volt DC
14	332-2723	1	Strip, Marker				24 Volt DC with Preheat - A41, A61, AT61
15	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")	300-2897	1	12 Volt DC	12 Volt DC
16	300-2880	1	Board, Voltage Regulator (Includes Jumper) (VR21)	300-2899	1	24 Volt DC	24 Volt DC with Preheat -
17	332-2605	1	Jumper, Terminal (VR21TB1-3 to -4) (W1)	300-2898	1	12 Volt DC	DGAB, DGAC, DGAD, DGAE, DL4, DL6, DL6T
18	350-0394	1	Resistor (VR21TB1-7 to -8) (Controls without Panel Voltage Adjust)	300-2900	1	24 Volt DC	12 Volt DC
				300-3344	1	12 Volt DC	24 Volt DC
19	815-0544	1	Screw, Machine - Round Head - Cross Recessed with IT (#6-32 x 1/2")	33	338-1904	1	Harness, Wiring - Time Delay Start/Stop (A15 to A11TB1)
				34	332-2957	1	Terminal, Tab (Double) (A15TB1-7)
20	-		Door Assembly, Control - DC (Right Hand Side Facing Control Doors) (See Separate Page for Components)	35	-		Board, Printed Circuit - Magnetic Pickup (A16) (See Separate Page for Part Number and Related Replacement Parts)
21			Harness, Wiring - DC (Includes Connector Housing and Contact Pins) (DC Door to Engine Monitor)	36	812-0063	4	Screw, Machine - Round Head (#6-32 x 1/2")
	338-2330	1	DGAB, DGAC, DGAD, DGAE, DL4, DL6, DL6T	37			Board, Printed Circuit - Over/Under Voltage Sensor (A17)
	338-2333	1	A41, A61, AT61				12 DVC
22	323-1308	1	Housing, Connector - 12 Place (J4)	300-2905	1	24 DVC	24 DVC
23	323-1302	12	Pin, Contact	300-2906	1		
24			Monitor, Engine (Includes Fuses) (All) 7 Light Control	38	812-0063	4	Screw, Machine - Round Head (#6-32 x 1/2")
	300-2809	1	12 VDC	39	338-1940	1	Harness, Wiring - Over/Under Voltage Sensor (A17 to A11)
	300-2810	1	24 VDC	40	302-1833-01	1	Transducer, Watt (A21)
			12 Light Control	41	-		Heater, Control (See Separate Page for Components)
	300-2811	1	12 VDC	42	815-0544	4	Screw, Machine - Round Head - Cross Recessed with IT (#6-32 x 1/2")
	300-2812	1	24 VDC				Plate, Mounting - Transducer
25			Fuse				Relay, Run (See Separate Page for Components)
	321-0270	2	20 Amp (F1, F2)	43	813-0102	2	Screw, Machine - Round Head (#10-32 x 5/8")
	321-0231	1	15 Amp (F3)				
	321-0094	2	5 Amp (F5)	44	319-0030	1	
26			Board, Printed Circuit - Alarm Relay (12 Light Control) (A14)	45	-		
	300-2855	1	12 VDC				
	300-2856	1	24 VDC				

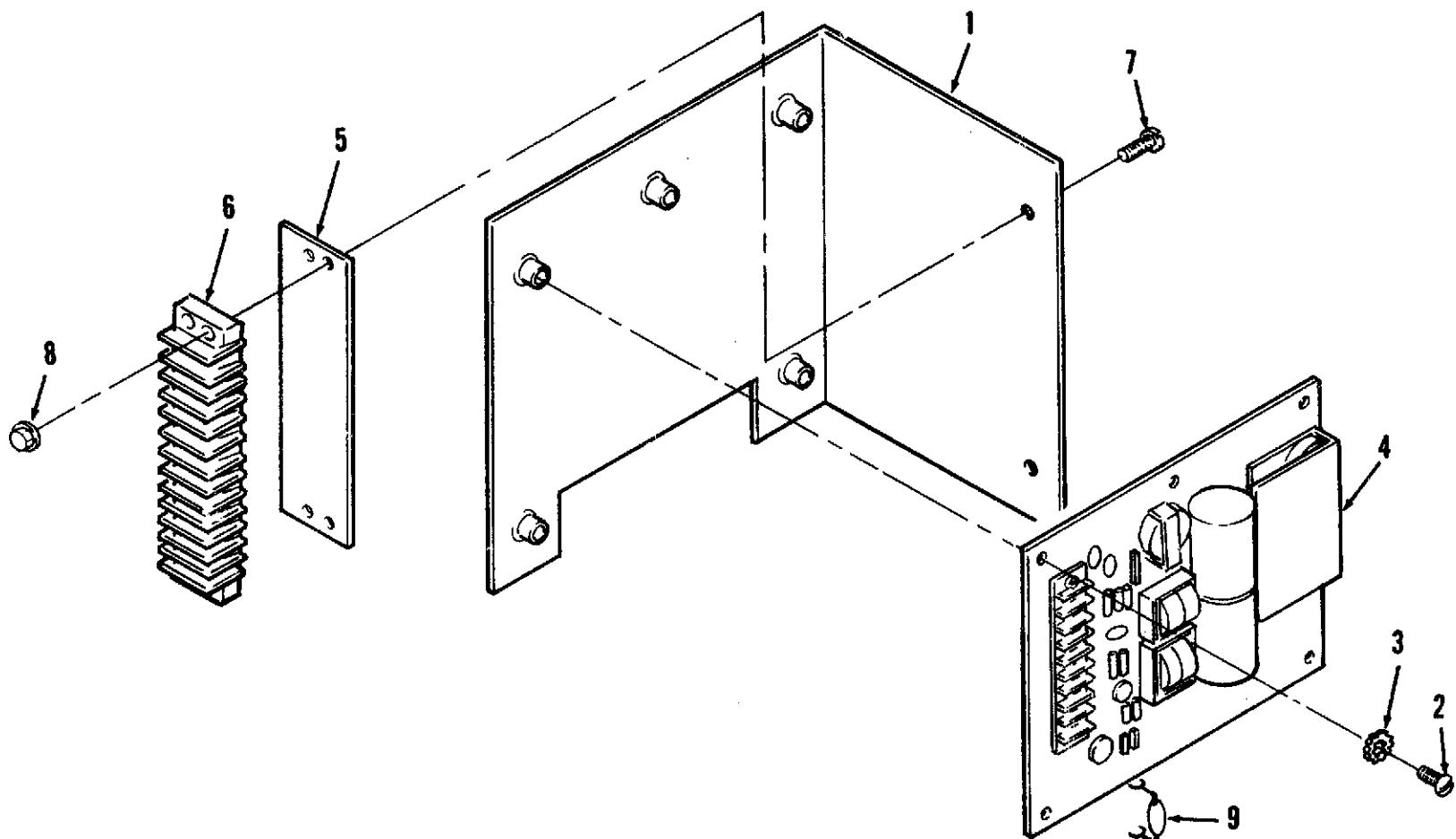
**Voltage Regulator Assembly
(VRA21)
DL4, DL6 (Spec C-D), DL6T (Spec A)**



195A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Regulator Assembly, Voltage - Complete Standard	7	315-0343	1	Reactor - Used on Switching Voltage Regulator Assemblies (VRA21L22)
305-0693-01	1	1	Fixed Resistor	8	315-0343	1	Reactor (VRA21L21)
305-0693-02	1	1	External Adjust	9	332-0607	1	Block, Terminal (VRA21TB2)
			Switching Regulator	10	332-2373	1	Strip, Marker
305-0695-01	1	1	Fixed Resistor	11	332-2387	4	Terminal, Tab - Used on Standard Voltage Regulator Assemblies
305-0695-02	1	1	External Adjust				
1	338-1443	1	Harness, Wiring	12	301-5736	1	Panel, Mounting
2	338-1670	1	Standard Regulator	13	812-0061	4	Screw, Machine - Round Head (#6-32 x 3/8")
			Switching Regulator				Standard Voltage Regulator Assemblies
	332-2045	1	Board, Voltage Regulator (VR21)	812-0061	6		Switching Voltage Regulator Assemblies
	300-2409	1	Standard Regulator (Includes Fuses)	812-0061	8	Nut, Self-Locking - Hex Head with ET Lockwasher (#6-32)	
3	321-0204	2	Switching Regulator	14	870-0183	2	Screw, Machine - Round Head (#6-32 x 1-1/4") Used on Standard Voltage Regulator Assemblies
			Fuse (1/4 Amp) used with Standard Voltage Regulator Board (VR21F2,F3)	15	812-0070	4	Screw, Machine - Round Head (#6-32 x 1/4")
4	350-1190	1	Resistor - Fixed (1740 Ohms, 1/2 Watt) used on Voltage Regulator Assemblies without External Adjust (VRA21R21)	16	812-0059	4	Washer, Lock - ET (#6)
5	315-0431	1	Transformer (VRA21T21)	17	853-0003	4	Screw, Machine - Round Head
6	305-0524	1	Bridge, Rectifier - Used on Standard Voltage Regulator Assemblies (VRA21CR21)	18	812-0065	2	(#6-32 x 5/8")

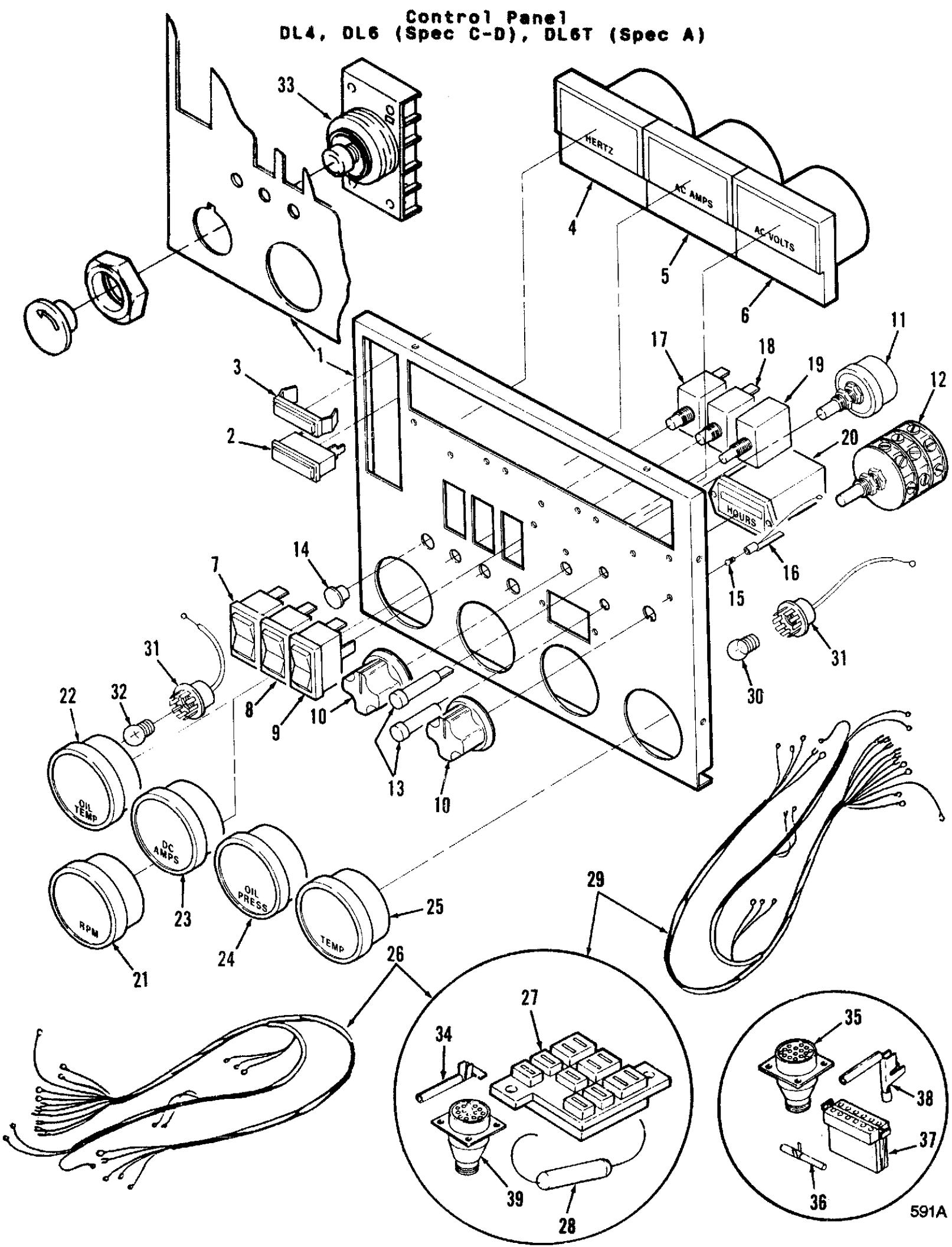
**Voltage Regulator Assembly
(VRAS-2)
DL4, DL6 (Spec C-D), DL6T (Spec A)**



194A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	305-0737	1	Regulator Assembly, Voltage - Complete	6	332-0607	1	Block, Terminal (VRAS-2TB2)
1	301-9334	1	Panel, Mounting	7	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")
2	812-0059	5	Screw, Machine - Round Head (#6-32 x 1/4")	8	870-0183	2	Nut, Self-Locking - Hex Head with ET Lockwasher (#6-32)
3	853-0003	5	Washer, Lock - ET (#6)	9	350-0394	1	Resistor - Fixed (2000 Ohms, 1/2 Watt) Used on Voltage Regulator Assemblies without External Adjust (VRAS-2R21)
4	300-2880	1	Board, Voltage Regulator (VR21)				
5	332-2373	1	Strip, Marker				

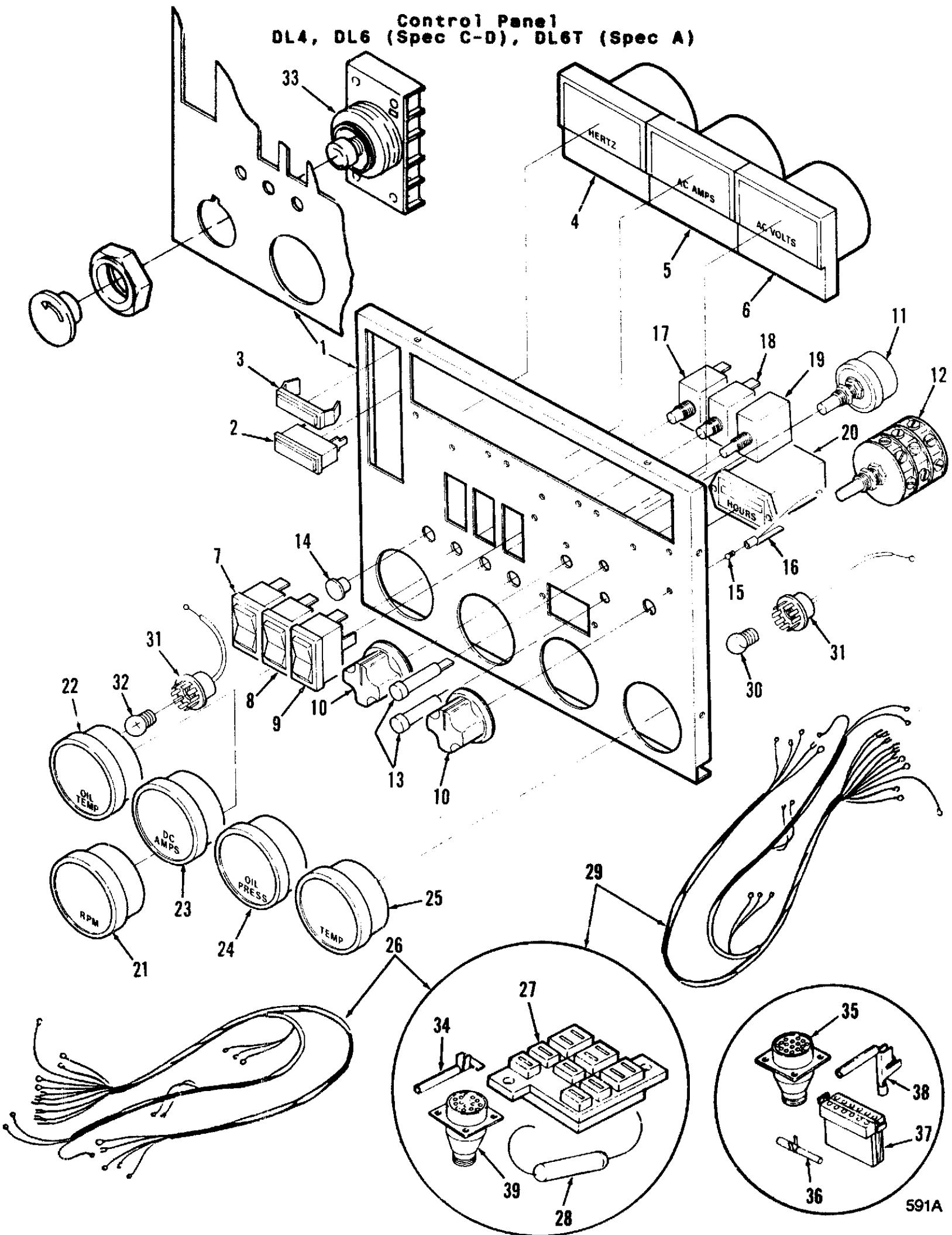
**Control Panel
DL4, DL6 (Spec C-D), DL6T (Spec A)**



**Control Panel
DL4, DL6 (Spec C-D), DL6T (Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Panel, Control Panels without AC Meters Panels with Three Round Gauge Holes	8	308-0533	1	Switch, Rocker - Pre Heat (S11)
	301-7348-01	1	Panels with Three Round Gauge Holes	9	308-0532	1	Switch, Rocker - Lamp Test (S12)
	301-7348-02	1	Panels with Four Round Gauge Holes	10	303-0032	2	Knob
			Panels with AC Meters Panels with Three Round Gauge Holes	11	303-0170	1	Potentiometer - 25 Watt (R23) Used with VRA21 Voltage Regulator Assembly with External Adjust
	301-7349-01	1	without Emergency Stop Switch		303-0261	1	Used with VRAS-2 Voltage Regulator Assembly with External Adjust
	301-9498	1	with Emergency Stop Switch	12	308-0284	1	Switch, Rotary - Voltmeter/Ammeter (S21)
	301-7349-02	1	Panels with Four Round Gauge Holes	13			Light, Pilot (DS21,DS22)
2			Light, Indicator (14VDC) Controls with Two Light Monitoring System	322-0323	2		Single Phase Sets
	322-0238	1	RUN - Green (DS1)	322-0211	2		Three Phase Sets
	322-0128	1	FAULT - Red (DS2)	14	517-0132	1	Plug, Hole
			Controls with Nine Light Monitoring System	15	322-0203	2	Lamp (DS14,DS15)
	322-0238	1	RUN - Green (DS1)	16	322-0213	2	Lampholder
	322-0110	1	LO ENG TEMP - Red (DS2)	17	320-1110	1	Breaker, Circuit - Remote - 7 Amp (CB1)
	322-0109	1	HI ENG TEMP - Red (DS3)				Breaker, Circuit - Control - 7 Amp (CB2)
	322-0108	1	LO OIL PRES - Red (DS4)	18	320-1110	1	Breaker, Circuit - Field
	322-0111	1	OVERSPEED - Red (DS5)	19			Used with VRA21 Voltage Regulator Assembly
	322-0107	1	OVER CRANK - Red (DS6)	320-1138	1		3 Amp (Dual - CB3,CB4)
	322-0240	1	PRE HI ENG TEMP - Amber (DS7)	320-0530	1		5 Amp (CB3)
	322-0241	1	PRE LO OIL PRESS - Amber (DS8)	320-1121	1		Used with VRAS-2 Voltage Regulator Assembly - 3 Amp (CB3)
	322-0283	1	SWITCH OFF - Red (DS9)	20	302-0885	1	Meter, Time Totalizing (M4)
3	322-0141	7	Lens, Indicator Light (No Legend or Lamp) Controls with Two Light Monitoring System	21			Tachometer (Includes Socket and Lamp) (M5)
4			Meter, Frequency - AC (M21)	302-1873-01	1		DL4
	302-1273	1	50 Hertz	302-1882	1		DL6
	302-1153	1	60 Hertz	302-1715	1		DL6T
5			Ammeter - AC (M23)	22	193-0330	1	Gauge, Oil Temperature (M5)
			DL4	23	302-1402	1	Ammeter - DC (M1)
	302-1691	1	Single Phase	24	193-0320	1	Gauge, Oil Pressure (M2)
	302-1473	1	Three Phase	25	193-0319	1	Gauge, Water Temperature (M3)
			DL6	26			Harness, Wiring - AC (Includes Socket for K11 Start Relay)
	302-1468	1	Single Phase		338-1642-03	1	Controls without AC Meters
			Three Phase				Controls with AC Meters
	302-1147	1	All Except 347/600 Volt Sets		338-1642-02	1	Single Phase Sets
	302-1298	1	347/600 Volt Sets		338-1642-01	1	Three Phase Sets
			DL6T				All Except 347/600 Volt Sets (Also Includes Resistor and Socket for K21 Voltage Selector Relay)
	302-1683	1	All Except 347/600 Volt Sets				Voltage Code 9XR
	302-1678	1	347/600 Volt Sets	338-1642-04	1		Socket, Relay (For K11,K21 Relays)
6			Voltmeter - AC (M22)	27	323-0765	2	Resistor, Fixed - 47K Ohm, 1/2 Watt (R22)
	302-1148	1	All Except 347/600 Volt Sets				
	302-1300	1	347/600 Volt Sets				
7			Switch, Rocker (Remote, Stop, Start) (S10)	28	350-0556	1	
	308-0531	1	Controls with Two Light Monitoring System				
			Controls with Nine Light Monitoring System				
	308-0620	1	Standard				
	308-0624	1	Pennsylvania State Approved				

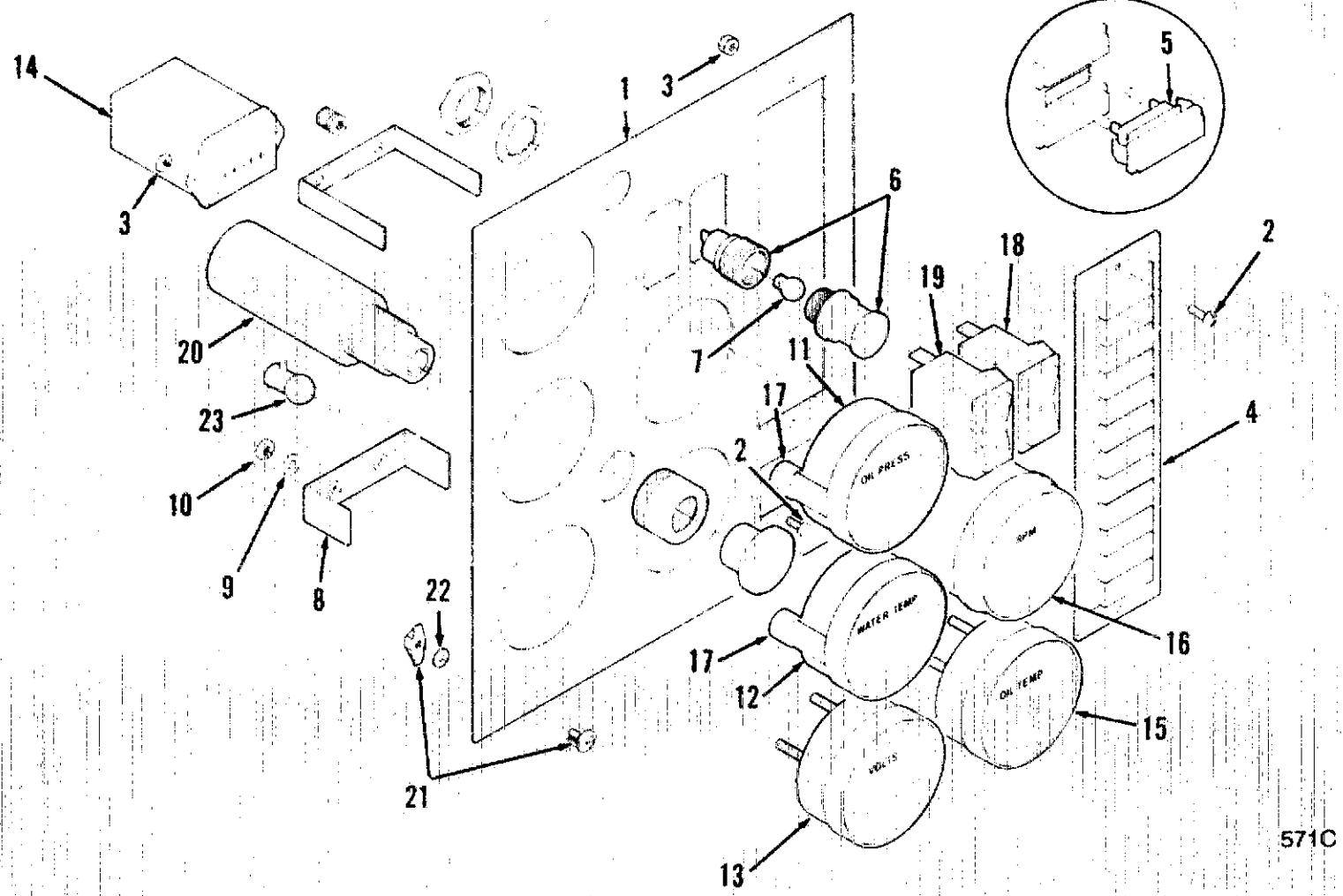
**Control Panel
DL4, DL6 (Spec C-D), DL6T (Spec A)**



**Control Panel
DL4, DL6 (Spec C-D), DL6T (Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
29			Harness. Wiring - DC Meters Switches Indicator Lights Controls with Two Light Monitoring System Controls with Nine Light Monitoring System	35	323-1135	1	Receptacle - Square Flange (16 Pin) (P1) Used with 338-1643-01 Wiring Harness
	338-1643-01	1		36			Pin, Male - Used with 323-1137 Receptacle
	338-1644	1		323-1193		3	16-12 Gauge Wire
	338-1646	1		323-1194		10	18-14 Gauge Wire
	338-1645	1		37	323-0984	3	Plug. Connector (12 Pin) (J1, J2, J3) Used with 338-1643-01, 338-1644 and 338-1645 Wiring Harnesses
30	322-0308	3	Lamp. Pilot (DS10,DS11,DS12)	38	323-0488	8	Socket, Male (Side Feed) Used with 338-1643-01 Wiring Harness
31	322-0210	4	Socket, Lamp	323-0488		12	Used with 338-1644 Wiring Harness
32	322-0004	1	Lamp. Pilot (DS13)	323-0488		10	Used with 338-1645 Wiring Harness
33	308-0813-01	1	Switch, Push - Emergency Stop (S13) Includes Knob and Mounting Hardware	39	323-1137	1	Receptacle - Square Flange (14 Pin) (P2)
34			Socket, Female Used With 338-1642-01 Wiring Harness Used With 338-1642-02 Wiring Harness Used With 338-1642-03 Wiring Harness Used With 338-1642-04 Wiring Harness				
	323-1229	11					
	323-1229	7					
	323-1229	5					
	323-1229	10					

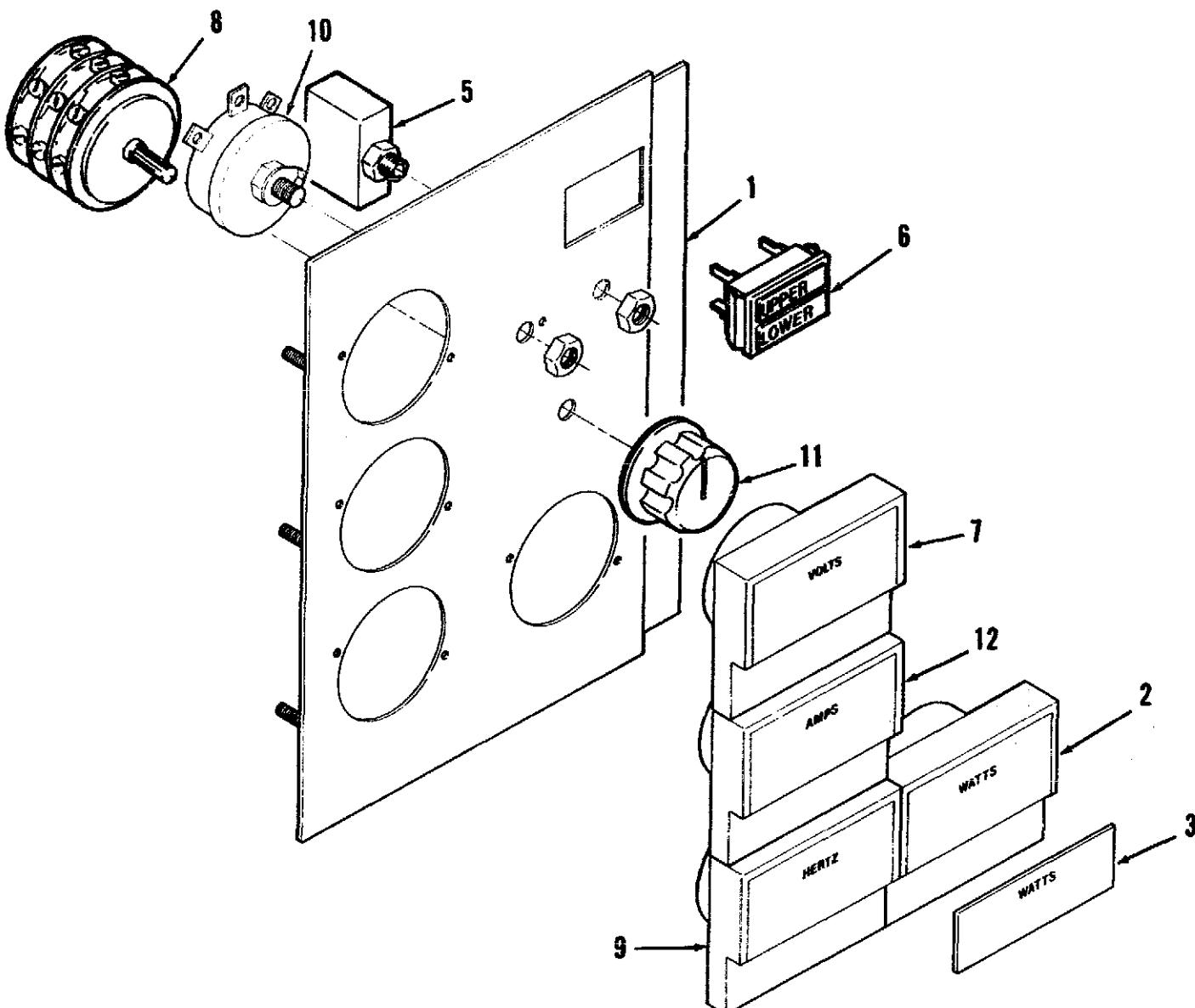
DC Control Door Assembly
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



571C

REF. NO.	PART NO.	QTY USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0421	1	Door, Control - DC Doors with Three Round Gauge Holes	11	193-0352	1	Gauge, Oil Pressure (M11)
	319-0420	1	Doors with Five Round Gauge Holes	12	193-0351	1	Gauge, Water Temperature (M12)
2	815-C385	4	Screw, Machine - Round Head (#6-32 x 1/2")	13	302-1641	1	Voltmeter (Mi3) 12 VDC
3	870-0183	4	Nut, Hex - with ET (#6-32)	14	302-0885	1	Meter, Time Totalizing (M14)
4			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	15	193-0330	1	Gauge, Oil Temperature (Includes Mounting Clamp)
	322-0359-01	1	Seven Light Assembly 12 VDC	16			Tachometer (Part numbers for bulb and mounting hardware were not available at time of printing) (M16)
	322-0359-02	1	24 VDC		302-1873-01	1	12 VDC
			Twelve Light Assembly		302-1873-02	1	24 VDC
	322-0360-01	1	12 VDC	17	193-0250	2	Resistor, Gauge (Used on 24 VDC Applications)
	322-0360-02	1	24 VDC		18	308-0892	(R12,R13)
5			Light, Indicator - Replacement				Switch, Rocker - Restart/ Preheat/Panel Light (S11)
	322-0369-01	1	12 VDC		19	308-0784	Switch, Rocker - Run/Stop/ Remote (S12)
	322-0369-02	1	24 VDC		20	308-0853	Switch, Pushbutton - Emergency Stop (Part Number for Bulb Not Available at Time of Printing) (S14)
6	322-0361	1	Light, Panel (DS11)		21	406-0661	Latch, Panel
7			Bulb, Panel Light - Replacement		22	526-0367	Washer, Flat
	322-0004	1	12 VDC		23	322-0223	Bulb, Emergency Stop Switch
	322-0017	1	24 VDC				
8	302-0270	3	Clamp, Mounting				
9	526-0049	9	Washer, Flat (#10)				
10	871-0010	18	Nut, Hex - Brass (#10-32)				

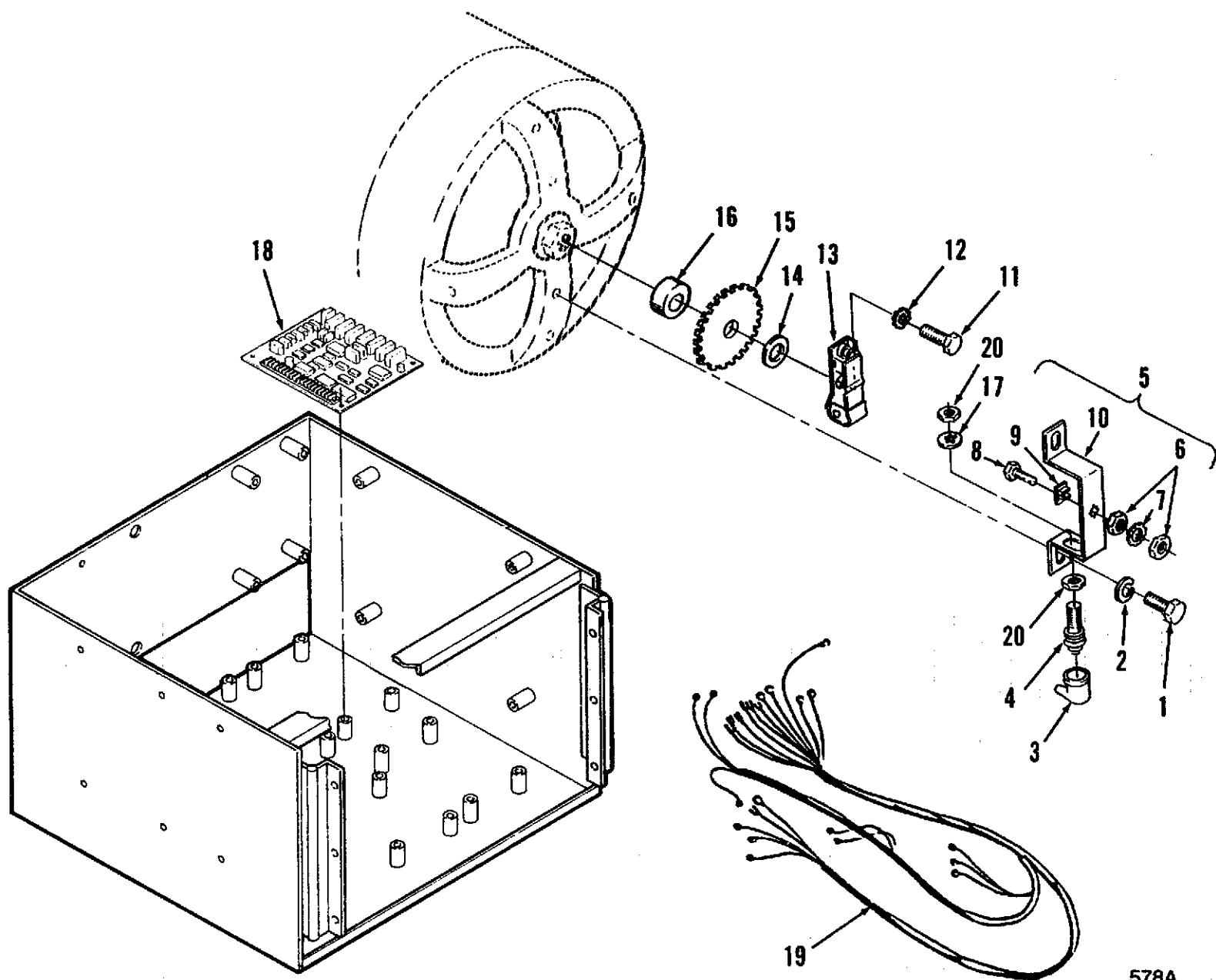
AC Control Door Assembly
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



570C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0417	1	Door, Control - AC Without Meters	9	302-1720	1	Meter, Frequency (Includes Resistor - Part Number Not Available at Time of Printing) (M23)
	319-0418	1	Without Wattmeter	10	303-0261	1	Potentiometer (R21)
	319-0419	1	With Wattmeter	11	303-0032	1	Knob, Rotary Switch
2	302-1722	1	Wattmeter (Dial Not Included) (M24)	12	302-1473	1	Ammeter (M22) 0-50/100
3	302-1721-01	1	Dial, Wattmeter DGAB, DGAC, DGAD, DL4 DL6, A41, A61	302-1147	1	0-75/150	
	302-1721-02	1	DGAE, DL6T, AT61	302-1683	1	0-100/200	
4	338-1936	1	Harness, Wiring - Watts Transducer (A21 to M24 and TB21)	302-1684	1	0-150/300	
	320-1121	1	Breaker, Circuit (CB21)	302-1685	1	0-200/400	
6	322-0363	1	Light, Indicator - Upper/ Lower Scale (DS21, DS22)	302-1724	1	0-250/500	
7	302-1148	1	Voltmeter (M21) 0-300/600	302-1725	1	0-375/750	
	302-1753	1	0-750	302-1726	1	0-400/800	
8	308-0882	1	Switch, Rotary - Voltmeter/ Ammeter (Knob Not Included) (S21)	302-1727	1	0-500/1000	
				302-1728	1	0-600/1200	
				302-1729	1	0-750/1500	
				302-1798	1	0-1000/2000	
				302-1799	1	0-1500/3000	
				302-1800	1	0-2000/4000	

Magnetic Pickup
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)

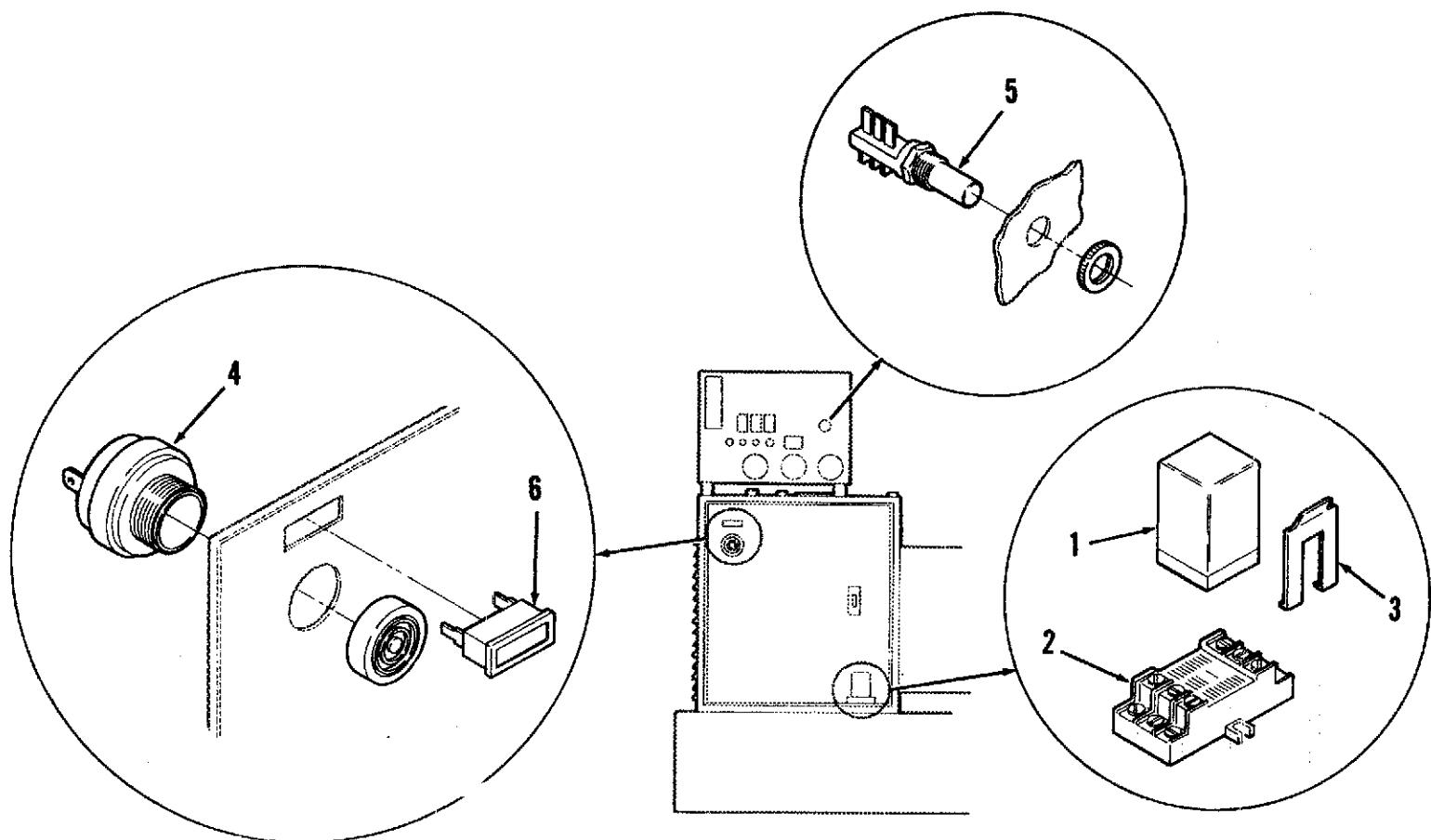


578A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")	14	526-0077	1	Washer, Flat (3/8")
2	850-0040	2	Washer, Lock - Spring (1/4")	15	150-1557	1	Wheel, Sensor
3	150-1410	1	Cap, Insulator	16	370-4011	1	Spacer
4	150-1406	1	Sensor, Speed - magnetic	17	854-0031	1	Washer, Lock - IT (3/4")
5	150-2117	1	Bracket and Point Assembly (Includes Parts Marked *)	18	Board, Printed Circuit - Magnetic Pickup (A16)		
6	862-0001	2	*Nut, Hex (1/4-20)	300-2901		1	12 VDC
7	853-0013	1	*Washer, Lock - ET (1/4")	300-2903		1	24 VDC
8	150-0723	1	*Point, Contact	19	338-1930	1	Harness, Wiring - Magnetic Pickup (A16 to A11)
9	870-0250	1	*Nut, Insulator	20	868-0011	2	Nut, Hex - Jam (3/4-16)
10	301-9402	1	*Bracket, Mounting				
11	800-0053	1	Screw, Cap - Hex Head (3/8-16 x 1-3/4")				
12	856-0010	1	Washer, Lock - EIT (3/8")				
13	150-0717	1	Switch, Overspeed (S3)				

* - Parts Included in 150-2117 Bracket and Point Assembly

Audible Alarm

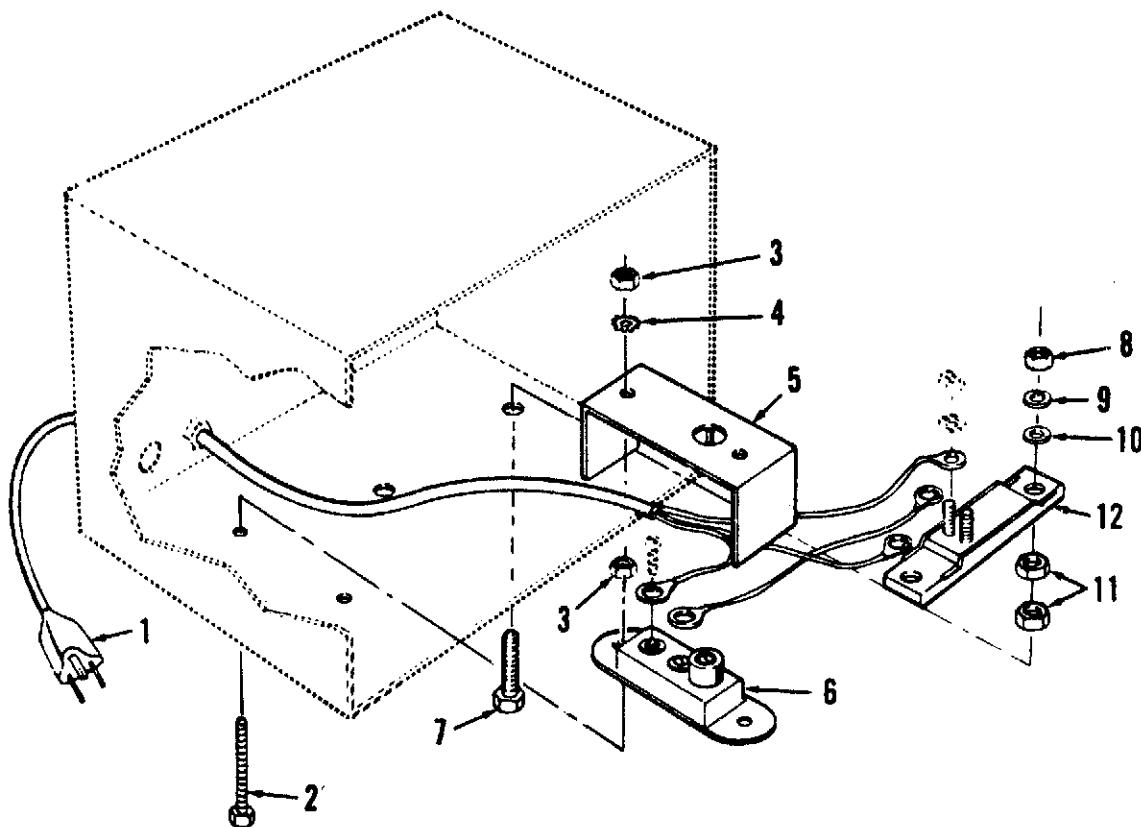


593B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-1687	1	Relay (K1)
2	323-0804	1	Socket, Relay
3	307-1987	1	Holddown, Relay

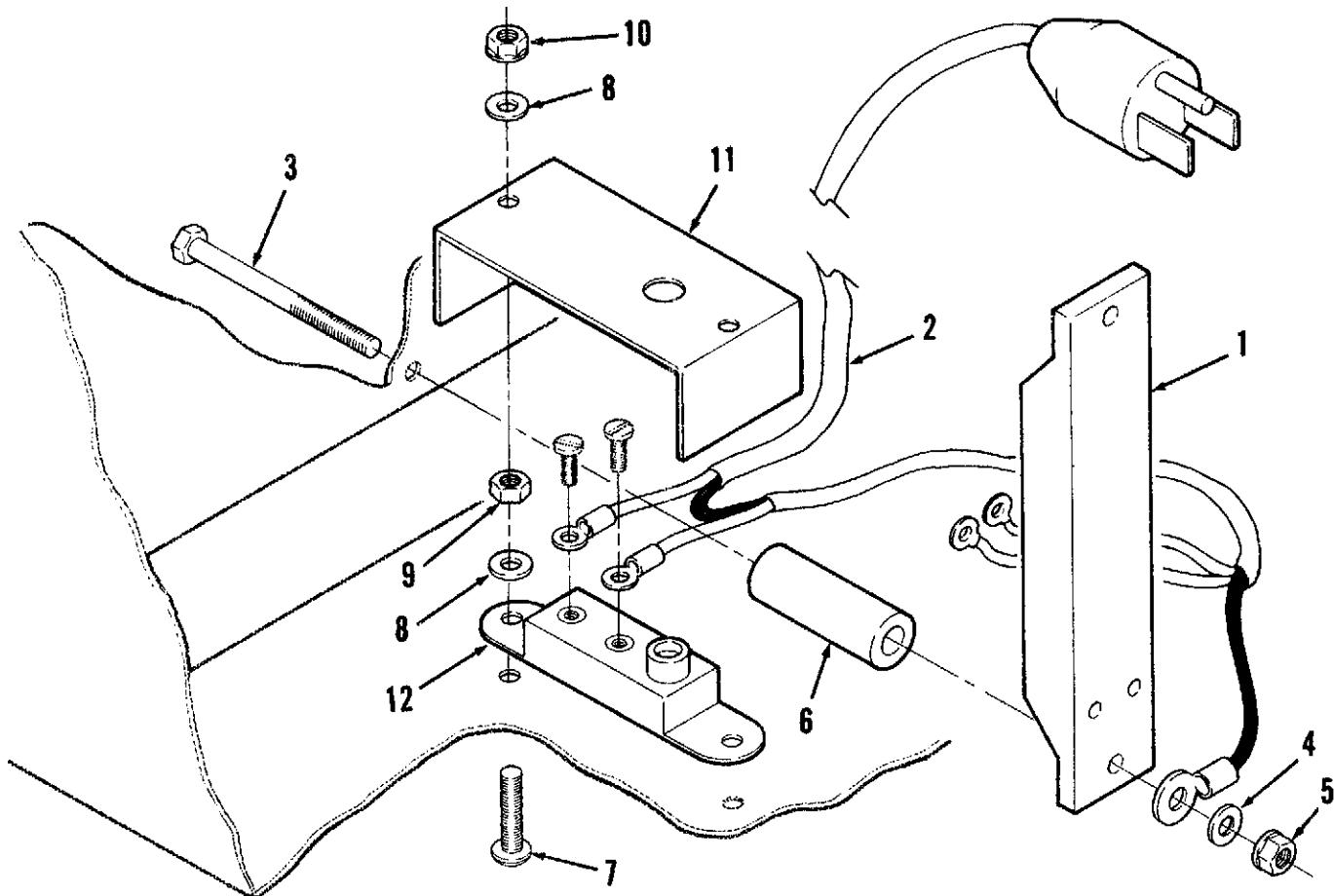
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	333-0133	1	Signal, Audible (DS2)
5	308-0337	1	Switch, Push Button (S1)
6	322-0128	1	Light, Indicator (DS1)

Control Heater
DL4, DL6 (Spec C - D) DL6T Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	335-0110	1	Cable, Electrical (3 Wire)	8	862-0001	2	Nut, Hex (1/4-20)
2	812-0090	2	Screw, Machine - Round Head (#6-32 x 2-1/4")	9	850-0040	2	Washer, Lock - Spring (1/4)
3	860-0006	4	Nut, Hex (#6-32)	10	526-0052	2	Washer, Flat (17/64" ID x 9/16" OD x 1/16" Thk)
4	856-0001	2	Washer, Lock - EIT (#6)	11	862-0015	4	Nut, Hex (5/16-18) - Used as Spacers
5	301-1886	1	Cover, Thermostat	12	333-0151	1	Heater - 75 Watt, 120 VAC; 300 Watt, 240 VAC
6	309-0128	1	Thermostat - Adjustable				
7	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")				

Control Heater
DGAB, DGAC, DGAD, DGAE, A41, A61, AT61,
DL4, DL6 (Begin Spec E), DL6T (Begin Spec B)



574B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0151	1	Heater (HR1)	6	130-1107	2	Spacer
2	335-0161	1	Cable	7	812-0070	2	Screw, Machine - Round Head (#6-32 x 1-1/4")
3	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 2-1/4")	8	854-0006	4	Washer, Lock - IT (#6)
4	526-0113	2	Washer, Flat (11/32" ID x 1" OD x 3/32" Thk)	9	860-0006	2	Nut, Hex (#6-32)
5	870-0257	2	Nut, Self-Locking - Hex Head (5/16-18)	10	870-0183	2	Nut, Hex - with ET (#6-32)
				11	301-1886	1	Cover
				12	309-0128	1	Thermostat

Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Paint (Pressurized 13 oz. Spray Can)
525-0305	1		Green
525-0551-02	1		Beige
518-0452	-		Sealant, Thread (50 cc Bottle)

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